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Savage & Fletcher's

U.S. DEPARTMENT OF AGRICULTURE
WASHINGTON, D.C.
1905 Catalog

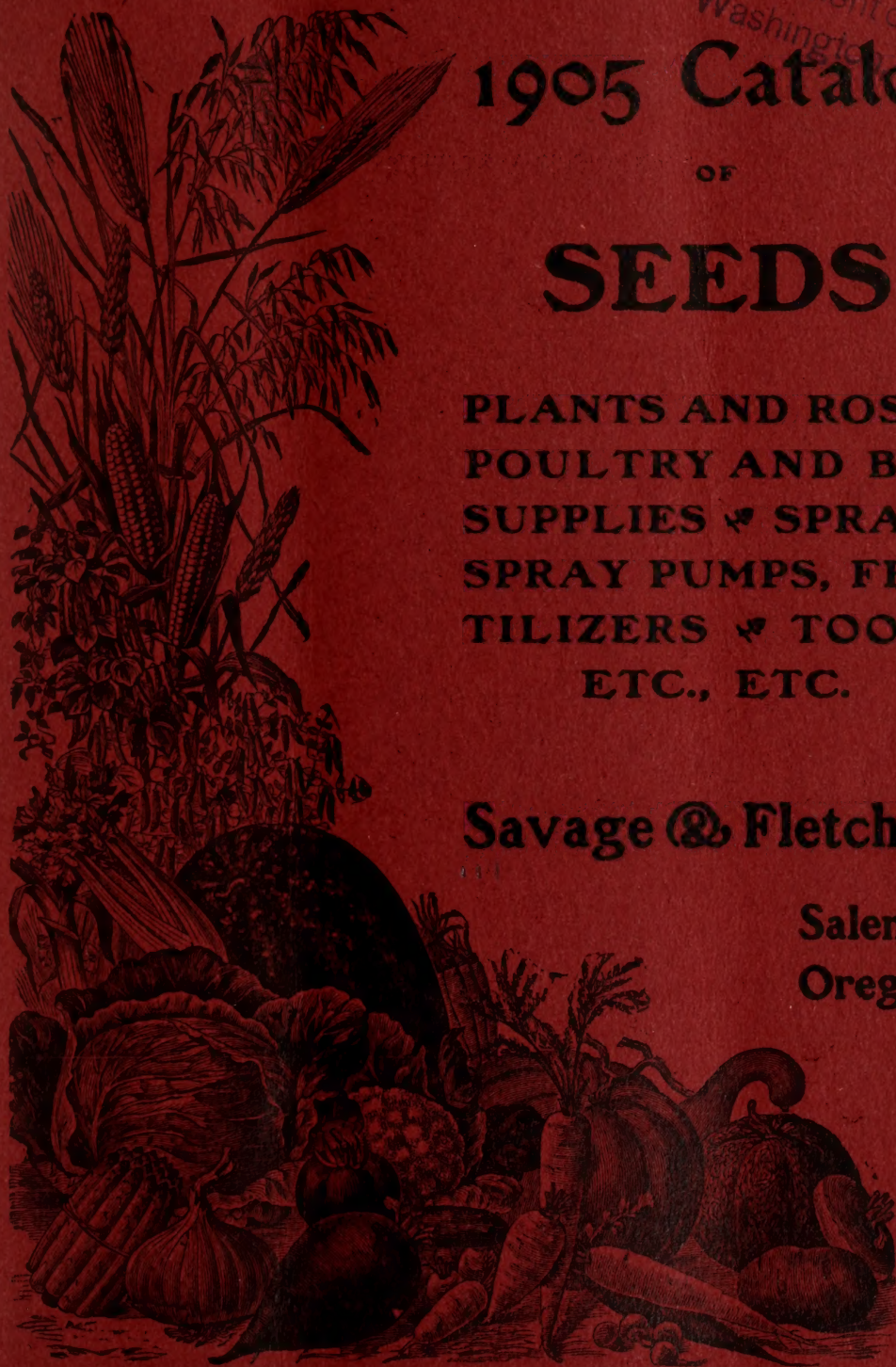
OF

SEEDS

**PLANTS AND ROSES
POULTRY AND BEE
SUPPLIES & SPRAYS
SPRAY PUMPS, FER-
TILIZERS & TOOLS
ETC., ETC.**

Savage & Fletcher,

**Salem,
Oregon.**



INDEX TO CONTENTS

Garden and Flower Seeds are arranged in alphabetical order, starting on page 2.

Pages.	Pages.	Pages.	Pages.
Australian Salt Bush..... 52	Fertilizers..... 84	Lentils..... 53	Roses..... 59 to 63
Artichoke Tubers..... 52	Flower Seeds..... 33 to 48	Lice Killer..... 96	Rape, Dwarf Essex..... 67
Bamboo Extensions..... 82	Flower Pots and Pans..... 78	Lilies..... 48	Roots..... 68 to 74
Barrel Carts..... 81	Florists' Supplies..... 77 to 80	Logan Berries..... 72	Speltz..... 58
Bargains..... 27	Flowering Roots..... 67 to 71	Mastica, Mastica..... 78	Sugar Cane..... 58
Bird Seed..... 32	Flowering Plants..... 59 to 71	Machines..... 78	Seed Rye..... 58
Berry Plants, Bushes..... 71, 74	etc..... 59 to 71	Millet..... 54	Soja Bean..... 58
Bone Cutters..... 92, 93, 97	Formaldehyde..... 55	Moss..... 78	Sunflower..... 58
Bee Supplies..... 35 to 89	Fruit Trees and Bushes..... 71	Mole Traps..... 79	Shrubs..... 59 to 68
Bone Mills..... 92, 93	Field Peas..... 53	Mouse Traps..... 79	Strawberry Plants..... 73
Books..... 98	Flax Seed..... 53	Mushroom Spawn..... 20	Sheep Dip..... 96
Bleeding Hearts..... 69	Fly Sprays..... 96	Nozzles..... 82	So-Bos-So Kilfly..... 96
Brooders..... 91, 97	Garlic..... 16	Nursery Stocks..... 71	Seed Drills..... 74, 75
Broom Corn..... 52	Garden Seeds..... 1 to 32	Onion Sets..... 22	Seed Cleaners..... 76
Barley..... 52	Garden Hose..... 83	Oats..... 54, 55	Seed Sowers, Broadcast..... 76
Buckwheat..... 53	Garden Tools..... 74 to 79	Plant Department..... 59 to 74	Seed Wheat..... 58
Bulbs..... 67 to 71	Gladioli Bulbs..... 68	Plant Food..... 84	Sprays, Spray Material..... 85, 96
Chenille..... 78	Grain Cleaner..... 76	Plant Sprinklers..... 81	Spray Pumps and
Chick Feed..... 95	Glazing Points..... 78	Plant Stakes..... 78	Sprayers..... 80, 81
Canna Bulbs..... 69	Grass Hooks, Shears..... 78	Planet Jr. Implements..... 74, 75	Spray Hose..... 83
Clover Cutters..... 93	Garden Plants..... 71	Pencils, Indelible..... 78	Script Letters..... 78
Corn Wheat..... 53	Grass Seeds..... 48 to 53	Peony Roots..... 67	Stock Foods..... 96
Corn Planters..... 76	Grape Shears..... 78	Powder Blowers..... 81, 94	Tares..... 72
Clover Seeds..... 48, 49	Grafting Wax..... 77	Potatoes..... 56, 57	Trees and Bushes..... 71, 72
Cow Peas..... 53	Gopher Gun and Traps..... 79	Potato Planters..... 76	Tree Seeds..... 32
Coffee Peas..... 53	Harness Mender..... 97	Poultry Foods..... 95, 96	Thermometers..... 78, 93
Chest Seed..... 52	Herbs..... 32	Poultry Supplies..... 89 to 98	Tree Labels..... 78
Climbing Vines..... 67	Hose and Couplings..... 82	Poultry (thoroughbred)..... 78	Tin Foil..... 78
Cultivators..... 74, 75, 97	Hand Sprayers..... 81	Inside back cover..... 80, 81	Tools..... 74 to 78
Dandelion Pullers..... 78	Hand Carts..... 77	Pumps..... 80, 81	Trowels..... 78
Egg Boxes..... 94	Incubators..... 89, 90, 97	Putty, Putty Bulbs..... 78	Traps..... 79
Egg Foods..... 95, 96	Insect Powder..... 96	Premiums..... 78	Vetches..... 58
Eggs for Hatching..... 96	Blowers..... 81, 94	Inside front cover..... 77	Vegetable Seeds..... 1 to 33
Inside back cover..... 96	Insecticides..... 83, 96	Pruning Tools, Saws..... 79	Vegetable Plants, Roots..... 71
Farm and Field Seeds..... 48 to 59	Kaffir Corn..... 53	Raffia and Reeds..... 79	Wild Rice..... 58
Fanning Mill..... 76	Knives..... 77	Rat Traps..... 79	Wire Baskets..... 78
Farm Tools..... 74 to 79	Lawn Sprinklers..... 82	Remedies..... 83, 96	Wire..... 78
Fern Balls..... 69	Labels..... 78		Weeders..... 77

Here Are Your Premiums

Aside from furnishing you with the best seeds that grow and the best stocks obtainable in our other lines, we have made a practice during the past few years of offering and giving free premiums with certain sized orders. We believe these have been fully appreciated by our customers, so we are offering them again this year. THESE PREMIUMS ARE GIVEN ONLY WHEN CASH ACCOMPANIES ORDER AND AT PRICES PRINTED IN THIS CATALOG.

WITH A \$2.50 ORDER YOUR CHOICE OF

One 15c. package of 1905 Mixture Lewis & Clark Sweet Peas (see page 44) and one 10c. package Giant Pansy Seed; or, one 25c. plant of New Mammoth Blackberry (see page 72); or, one Logan Berry (see page 72); or, four Oregon Strawberry Plants (see page 73); or, one pound (price 25c.) New Oats, Great Western or Oregon Bounty (see page 54).

WITH A \$5.00 ORDER YOUR CHOICE OF

Double the \$2.50 premium offer; or, any 25c. book we list; or, 25c. off of any book we offer (see page 98).

WITH A \$10.00 ORDER YOUR CHOICE OF

Double the \$5.00 premium offer; or, any 50c. book we list; or, 50c. off of any book we offer (see page 98).

IF YOU SELECT THESE PREMIUMS, YOU ARE NOT ENTITLED TO OUR SPECIAL DISCOUNT OFFER ON SEEDS IN PACKETS AND OUNCES. These premiums cost you nothing. We give them to you free, to show you that we appreciate your orders. If your order is not large enough to get the premiums you want, get your neighbor to send with you—the premiums are worth the trouble.

We pay one cent (in seeds) per name for good addresses. See back of Order Sheet.

Special Rates on Seeds in Packets or Ounces

This offer is by mail, postage paid by us, to any postoffice in the United States.

25 Cents WORTH OF SEEDS FREE WILL BE ALLOWED FOR EACH \$1.00 SENT FOR SEEDS IN PACKETS AND ONE-OUNCE PACKAGES

IN OTHER WORDS, we will fill an order for \$1.25 worth of seed, in PACKETS and OUNCES only, for \$1.00; an order for \$2.50 for \$2.00, and so on. No discount on less than \$1.00 orders. THIS DISCOUNT DOES NOT APPLY ON QUANTITIES OVER ONE OUNCE, OR WHERE ANY OTHER PREMIUM IS TAKEN. NO FLOWERING PLANTS ALLOWED AS PREMIUMS.

Do not write in this space

ORDER SHEET

Savage & Fletcher
Salem, Oregon

GENTLEMEN: Send me the goods named below according to the terms as specified in your Catalogue:

TERMS—CASH WITH ORDER

To (Name) _____

Post Office _____

Station _____

County _____

State _____ Date _____

Send by _____

Do not write in this space

State if wanted by Mail, Express [and Company], Freight [and Route],
Steamer [and Line].

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FOR PREMIUMS SEE INSIDE FRONT COVER

Savage & Fletcher's

1905

DESCRIPTIVE AND PRICED

Complete Catalog

To our Friends and Customers:

In presenting you with this, our 1905 catalog, we do so believing that it is one of the best and most complete catalogs we have ever issued. If you will give it a careful reading we are sure you will find many things of value to you. We have carefully revised this book, adding such new goods of merit as we believe will be appreciated by our customers. Please remember that it is the policy of this company to offer not only the choicest seeds, but also the best goods in our different lines that can be procured in this or any other company.

There is no better line of Seeds, Poultry and Bee Supplies, Spray Pumps, Garden Tools, Nursery Stocks, etc., offered anywhere than those we are cataloging.

Thanking you for past favors, and hoping to have your orders again this year, we are,
Yours truly,
SAVAGE & FLETCHER.

HOW TO SEND MONEY. Remittances should be made by Postoffice or Express Money Order, Bank Draft, or Registered Letter. Postage stamps will be received for small amounts. Remittances in any other way are entirely at sender's risk.

HOW TO ORDER. Please use the order sheets found in the front part of every Catalog, carefully filling out the blank spaces at the top for shipping directions.

BE SURE TO SIGN YOUR NAME, and give Postoffice and State, and to avoid mistakes, do not write letters on the same sheet as orders.

SEEDS POSTPAID BY MAIL. We send all vegetables and flower seeds in quantities of one pound or less by mail, postpaid, to any Postoffice in the United States, at the prices named in this Catalog, unless otherwise stated.

BY FREIGHT OR EXPRESS. In ordering vegetables or flower seeds to be sent by freight or express at your expense, deduct 10 cents per pound from single pound prices, where postage has been added.

PREPAY STATIONS. When you send in orders to go by freight or express, be sure that you add money enough to pay freight charges if your station is a prepay, which is always the case where there is no regular agent.

We use every precaution in procuring fresh, pure and reliable seeds, etc., but it will not be possible for us to hold ourselves responsible for the growth, yield or failure of the crop in any respect. If our goods are not accepted on these terms they must be returned at once.

WHEN TO ORDER. New goods are all in, and we are prepared to fill orders as soon as this Catalogue reaches you. Send in your combined orders for seeds, plants, supplies, etc., at once, and if you do not want all sent now we will send part now and balance of order later. The advantage of this is that your order is entered and filled, or stock reserved for it; and when you do want it, it can be sent upon notice to do so, with no delay. If you want part or all of your order held, state it distinctly, with date when shipment is to be made.

LARGE ORDERS. Any dealer, market gardener, institution or individual wishing seed in larger quantities, is requested to mail us a list of what is wanted, and we will promptly return it, with the very lowest market prices. A LETTER OF INQUIRY MAY SAVE YOU DOLLARS if you want to buy in quantity.

COMPLAINTS OR PRAISES. If you are well pleased with our goods, and manner of doing business, tell everyone. If you are not, tell us, so we can please you. Our best efforts will be put forth in filling all orders carefully, and with the additional room and facilities we hope to get along the coming season without an error of any kind. Let us have your orders early, and we promise to please you.

VEGETABLE SEED DEPARTMENT

What We Offer—At prices named, we pay postage on all Vegetable and Flower Seeds ordered by the packet, ounce or pound, excepting PEAS, BEANS and CORN, for which, if wanted by mail, add 10 cents per pound for postage. In ordering Vegetables or Flower Seeds to be sent by express or freight at your expense, deduct 10 cents per pound from single pound price, excepting for peas, beans and corn.



Asparagus

Asparagus is one of the earliest spring vegetables, and would be in universal use were it not for the mistaken idea that it is difficult to grow. In reality it can be produced very easily and cheaply. A bed 15x50 feet, requiring about 100 plants, should give an abundant supply for an ordinary family.

CULTURE—Soak the seed 24 hours in warm water, and sow early in drills one foot apart. An ounce of seed will sow about 30 feet of drill. Keep the soil mellow and free from weeds. After one year's growth, transplant into permanent beds. A warm, sandy soil is the best, and one which has for some years been cultivated in garden crops and heavily manured is greatly to be preferred to a fresh soil. But at no period of its growth should the asparagus crop be allowed to lack for manuring. From one to three years time can be saved by buying roots of us. For prices see page 71. 7260 roots will plant an acre.



ASPARAGUS.
(Bunched.)

CONNOVER'S COLOSSAL.

A large and rapid grower, of excellent quality.
Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

COLUMBIAN MAMMOTH WHITE.

A newer, distinct and valuable variety. The stalks are white, of the largest size; very productive and early.
Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

PALMETTO.

This is claimed to be an earlier, better yielder and more even grower than Colossal.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 65c.

ASPARAGUS CULTURE.

We have several good books on this subject.
See Book List. Page 98.

Artichoke

LARGE GREEN GLOBE.

The variety used as a table vegetable. The edible portion is the thick end of the leaf of the flower head. Sow early in drills one foot apart, and when about 10 inches high transplant into rows four feet apart each way. It will produce only a small crop the first year, but will continue in good bearing five years. Cut before the bud opens.Pkt., 5c.; oz., 35c.

ARTICHOKE TUBERS.

For prices and description of this valuable feed root, see Farm and Field Seeds, page 52.

Beans—Dwarf or Bush

CULTURE—The soil best adapted for growing Beans is a light, rich, well-drained loam, which was well manured for the previous crop. If the ground is too freshly manured the plants are apt to run to vines and set few blossoms. Plant in drills about two inches deep and from 18 inches to two feet apart, as soon as the ground is dry enough. Beans are very sensitive to cold and wet before they have sprouted, but are not so liable to be damaged after they are above ground.

Wax or Yellow Podded Kinds

When ordering Beans by mail add 10c. per lb. for postage.

BLACK-EYED WAX.

Vines medium size, pods long, straight, proportionately narrow and rounder than those of the Golden Wax, and of a lighter color. They cook quickly, both as snap and as shell beans. As early as the Golden Wax and of very good quality.
Pkt., 10c.; lb., 20c.

GOLDEN-EYED WAX.

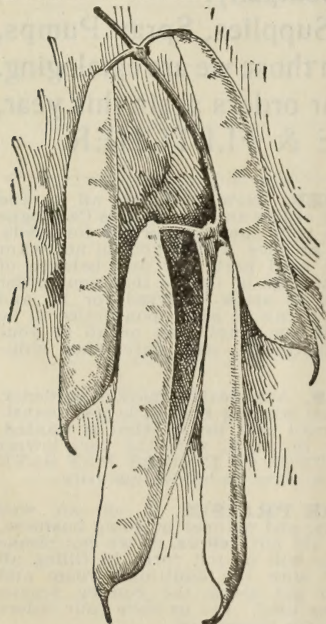
This is an early and vigorous growing variety, yielding a great profusion of tender pods of a beautiful, waxy appearance, the vines growing about 1½ feet high, holding the pods well off the ground. It is singularly free from blight and rust.
Pkt., 10c.; 1 lb., 20c.; 10 lbs., \$1.50.

DETROIT WAX (RUST PROOF).

One of the Best for Shipping Long Distances.

Excelling in some respects any other wax variety. Is not likely to rust, even when exposed to very wet weather. Pods flat, good length and very broad. Its quality of keeping fresh and crisp a long time after being picked makes it valuable for shipping long distances. It is extra early; quality in the pod all that can be desired, and also excellent green shelled.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.



DETROIT WAX.

Gardeners who buy Beans in large quantities should write for special prices.

Wax Beans—Continued

Davis Wax

A handsome, white-seeded, wax variety which is becoming more popular each year.

It is a rustless and immensely productive bush variety. The pods are long, nearly straight, white and handsome, and are carried well up from off the ground.

It is one of the best for market gardeners because of its hardiness, productiveness, handsome appearance, its good shipping and selling qualities and the small proportion of waste and second-quality pods. Canners say: "It is just what we want—a long, straight, clear white pod, which does not discolor in canning."

The dried bean is kidney-shaped, clear white, and a favorite for baking and canning.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.



DAVIS WAX.

Golden Wax

Has for many years been the best bean for general use in cultivation, and even now it is a competitor with the newer sorts for first place. Vines medium size, erect, moderately spreading. Very hardy and productive, with small, smooth leaves and small, white blossoms.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.

Extra Early Challenge Black Wax

Extremely early, about a week in advance of any other wax variety, and considered one of the most desirable for first crop.

Market gardeners and others, to whom earliness is a matter of prime importance, cannot afford to be without this, which is truly the "earliest of all" wax beans.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.

WARDWELL'S KIDNEY WAX.

A robust, hardy variety, yielding a heavy crop of large, unusually handsome, wax-like pods. Vines are of medium size, with long, flat pods of a delicate, waxy yellow, very brittle and entirely stringless. We recommend this bean highly.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.20.

Dwarf or Bush, Green Podded Kinds

If ordering Beans by mail, add 10c per pound for postage.

STRINGLESS GREEN PODDED.

The only stringless, green pod bush bean in cultivation. Consequently it surpasses all others in crisp, tender flavor.

The finely shaped, long, green pods are absolutely stringless, and are ready to market two weeks earlier than any other green podded bean. The Stringless Green Pod will supply a long felt want. It is of immense value, not only to the market gardener, but also for those who seek early beans of a rare quality for the home table.

Pkt., 10c.; 1 lb., 20c.; 10 lbs., \$1.50.

Extra Early Red Valentine

IMPROVED ROUND POD.

Is of healthy, vigorous growth, and has no superior in any respect among the green podded kinds. The pods are round, very fleshy, tender, rich and quite stringless. The bean is rather small, and when ripe usually irregular in form and red in color. Considered a very fine bean for canning green.

Pkt., 10c.; 1 lb., 15c.; 10 lbs., \$1.25.

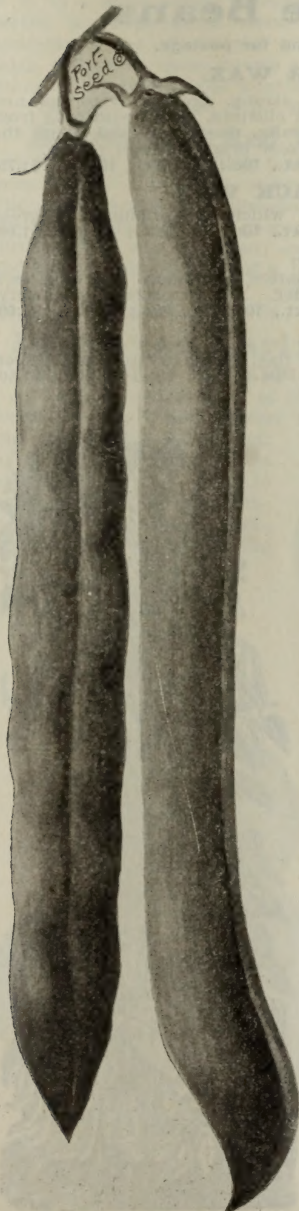
EXTRA EARLY REFUGEE.

Said to be the earliest green podded variety, fit for the table two weeks in advance of the old Refugee, and retaining all the good qualities of that standard sort.

Pkt., 10c.; 1 lb., 15c.; 10 lbs., \$1.20.

EARLY LONG YELLOW SIX WEEKS.

Hardy standard variety; pods six inches long and one-half inch wide; light green in color; vine vigorous and productive. Pkt., 10c.; 1 lb., 15c.; 10 lbs., \$1.25.



NEW STRINGLESS GREEN POD.

Bush Beans, Green Podded—Continued

REFUGEE, OR THOUSAND TO ONE.

The best late kind for snaps, and very productive. The pods are dark green, veined with purple, tender and crisp, and considered the best variety for pickling. The bean is rather small, oblong, dark purple to black mottled with light yellowish brown.

Pkt., 10c.; 1 lb., 15c.; 10 lbs., \$1.25.

EARLY MOHAWK.

The hardest of all the bush kinds, and may safely be planted a week earlier than any other. The pods are pale green, large and broad. The vines continue in bearing a long time, and will withstand a light frost. The bean is large, dark purple and brown mottled.

Pkt., 10c.; 1 lb., 15c.; 10 lbs., \$1.25.

CANADIAN WONDER.

Pods are 10 to 12 inches long and produced in great abundance; fine green shelled.

Pkt., 10c.; 1 lb., 25c.

BROAD WINDSOR.

Stock erect, strong and shrubby. The bean is large, broad and flat; it is best green shelled.

Pkt., 10c.; 1 lb., 15c.; 10 lbs., \$1.20.

DWARF HORTICULTURAL.

Stock erect, strong and shrubby. The bean is highly prized, green shelled, being preferred by some to the Lima. It is rather large, plump and beautifully mottled yellow and red.

Pkt., 10c.; 1 lb., 20c.; 10 lbs., \$1.60.

ROYAL WHITE KIDNEY.

This bean is large, long, slightly curved, and pure white. It yields a heavy crop and is one of the best, either green, shelled or dry.

Pkt., 10c.; 1 lb., 15c.; 10 lbs., \$1.20.

CASTOR BEAN.

Used for medicinal purposes and by some claimed to keep moles away.

Pkt., 10c.; 1 lb., 25c.

Climbing or Pole Beans

If ordering by mail, add 10c. per pound for postage.

EARLY GOLDEN CLUSTER WAX.

An early and very beautiful sort. Vines large, strong, growing vigorous and hardy; pods six to eight inches long, borne in abundant clusters, each containing from three to six beans; these are broad, very thick and fleshy, deeply creased along the edge to which they are attached, and much curved. Color bright, golden yellow.

Pkt., 10c.; 1 lb., 25c.; 10 lbs., \$1.75.

INDIAN CHIEF, OR TALL BLACK WAX.

Remarkable for its fine, tender and succulent pods, which are produced in great abundance.

Pkt., 10c.; 1 lb., 20c.; 10 lbs., \$1.60.

KENTUCKY WONDER.

A vigorous, good climber; very prolific, bearing in clusters, extremely long and very fleshy; succulent pods, round, thick and remarkably tender. A first-class pole variety.

Pkt., 10c.; 1 lb., 20c.; 10 lbs., \$1.50.

DUTCH CASE KNIFE.

Good, corn hill bean; very early; pods are long and flat; beans white; used green or dry.

Pkt., 10c.; 1 lb., 20c.; 10 lbs., \$1.50.

Asparagus

This is the true Asparagus Bean, not the so-called "Asparagus" put out by many seedmen. A very prolific sort, producing its long pods in large clusters. The pods, when young, are nearly round, of best flavor and are most excellent for snaps. This is one of the best and most profitable beans for the market gardener, the pods being so showy and produced in great abundance. Extensively used for canning.

Pkt., 10c.; 1 lb., 25c.

SCARLET RUNNER.

A favorite as a snap bean and for its flowers, which are bright scarlet; seeds broad and kidney-shaped.

Pkt., 10c.; 1 lb., 30c.

LAZY WIFE.

The pods are produced in large clusters in great abundance and are from four to five inches in length. Dark green, rather flat but broad, quite thick, fleshy, and entirely stringless, retaining their brittleness until fully developed; of unusually rich flavor. The dry beans are pure white in color; excellent for winter use.

Pkt., 10c.; 1 lb., 20c.

LONDON HORTICULTURAL.

Very desirable for the family garden. Vines vigorous, bearing light green pods streaked with red. The bean is large, oval, cream colored, beautifully splashed with red, and has no superior, green shelled or dry.

Pkt., 10c.; 1 lb., 20c.; 10 lbs., \$1.60.

WHITE CREASE BACK.

A good, early, green podded pole bean.

Pkt., 10c.; 1 lb., 20c.; 10 lbs., \$1.60.

Lima Beans

HENDERSON'S BUSH LIMA.

A small Lima Bean; early and prolific; desirable for early use.

Pkt., 10c.; 1 lb., 20c.; 10 lbs., \$1.60.

BURPEE'S BUSH LIMA.

This is a dwarf form of the Large Lima, producing beans as large and as fine in quality as the pole varieties. It is also a heavy yielder.

Pkt., 10c.; 1 lb., 25c.; 10 lbs., \$2.00.

DREER'S BUSH LIMA.

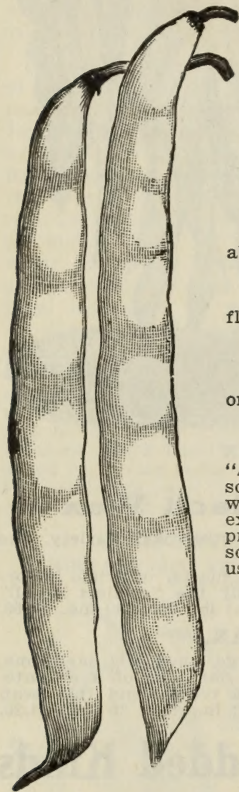
A dwarf form of the Challenge Lima, having the same thick pods and large, thick beans which make the Challenge so popular.

Pkt., 10c.; 1 lb., 20c.; 10 lbs., \$1.60.

LARGE WHITE POLE LIMA.

Vine tall growing, vigorous but slender; pods borne in clusters; long, broad, very thin, dark green; beans large, ovoid, kidney-shaped, greenish-white, flat.

Pkt., 10c.; 1 lb., 20c.; 10 lbs., \$1.60.



GOLDEN CLUSTER.



KENTUCKY WONDER.

BEETS—For Table Use

CULTURE.—The Beet is hardy and may be planted as soon as the ground can be well prepared, doing best in rich, sandy soil, sown in rows sixteen inches apart, covered one and one-half inches deep. The seed will sprout better if soaked twenty-four hours in warm water before planting. Thin out by using the largest ones when they are of sufficient size, continuing until they are six to eight inches apart in the row. For field crop, the rows should be far enough apart to permit the use of a horse cultivator.

P. S. Co's Market Gardener

This new, extra early Beet is remarkable for its fine quality and rapid growth; is of deep red color and handsome shape; as an early market sort it is unrivaled. It is to a large extent superseding the Egyptian, being earlier in development, more attractive in appearance and of superior quality for the table. We have never known a market gardener to try it but who wanted it again.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; 1 lb., 65c.

Detroit Dark Red Turnip

A fine beet for bunching for market; tops exceptionally small and uniformly upright. The roots are perfect turnip-shape, with small tap-roots. One of the deepest red beets. Quality is of the very best; sweet and tender; well worthy of a trial.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; 1 lb., 60c.

Improved Early Blood Turnip

An extra, selected stock of blood turnip, having larger, coarser tops and roots than the Detroit Dark Red, and requiring a considerable longer time to mature. Excellent for summer and autumn use. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; 1 lb., 55c.

DETROIT
DARK RED.

EXTRA EARLY EGYPTIAN.

By many considered the best variety for forcing, and is liked best by many market gardeners for the first early crop, being very early, with small tops. Roots very dark red, rounded on top, but flat beneath, with very small tap roots. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; 1 lb., 60c.

HALF LONG BLOOD.

A new variety of excellent quality. One of the very best for winter use; does not become woody and keeps equally as well as the Long Dark Blood. The root is smooth and handsome, and the flesh as brilliant in color and good in quality as the best Blood Turnip varieties. We advise our customers to give it a trial.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; 1 lb., 60c.

Long Smooth Dark Blood

The leading late variety, keeping well all winter. Should be planted in rich, warm soil to secure rapid growth, which makes them tender. Top small, root long and smooth. Flesh deep purple, fine and sweet.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; 1 lb., 60c.

EDMAND'S EARLY BLOOD TURNIP.

Dark red flesh, zoned with a lighter shade; very crisp and tender; keeps sufficiently well to be used as either a summer or winter variety.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; 1 lb., 50c.

Early Eclipse

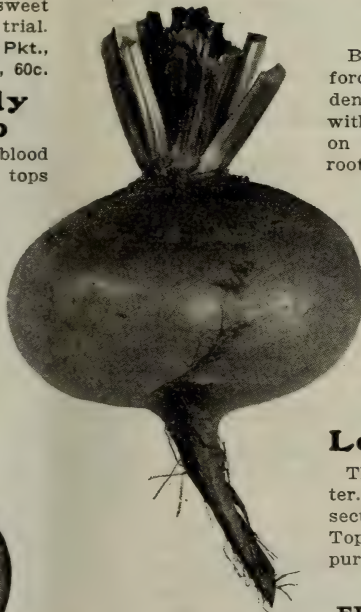
This variety has become exceedingly popular, and is one of the best early sorts. It possesses all the qualities requisite in a first-class beet, and is of an uniform, globular shape. The roots are of a bright, glossy red, fine-grained and delicious, with none of that earthy flavor so objectionable in many varieties.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; 1 lb., 60c.

SWISS CHARD, OR SEA KALE BEET.

Cultivated exclusively for its leaves and leaf stalk, which are prepared and served similar to asparagus, and are tender and delicious. If cut frequently, the young leaves reappear and make excellent greens, taking the place of spinach.

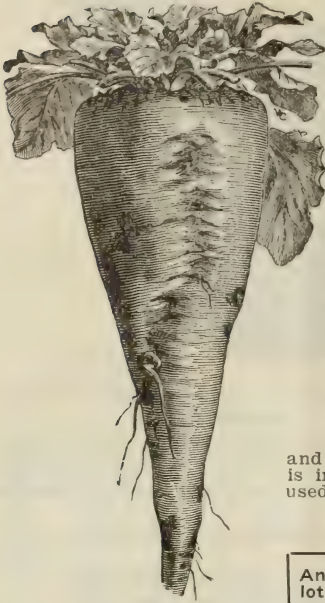
Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; 1 lb., 60c.



PORTLAND
SEED CO'S
EARLY
ECLIPSE.

P. S. CO'S
MARKET
GARDENER.

Sugar Beets and Mangel-Wurzels



FRENCH.

These are grown extensively for stock feeding, and afford large quantities of fresh, nutritious and wholesome food for stock during the winter months, in connection with grain and dried forage. Sugar Beets are richer and sweeter than Mangels, but the latter will generally produce one-third to one-half heavier crops per acre, and hence are preferred by many farmers.

FRENCH WHITE SUGAR.

The sort most generally grown in France, as it combines, with heavy yield, a good percentage of sugar. It has produced 30 tons of beets to the acre, and contains from 10 to 13 per cent of sugar. The largest yields known have been obtained with this variety.

Pkt., 5c.; 1 oz., 10c.; ¼ lb., 15c.; 1 lb., 40c.

LANE'S IMPERIAL SUGAR.

This is an excellent variety and one of the best for stock feeding.

Pkt., 5c.; 1 oz., 10c.; ¼ lb., 15c.; 1 lb., 40c.

VILMORIN'S IMPROVED SUGAR.

Very rich in sugar and does well on new lands.

Pkt., 5c.; 1 oz., 10c.; ¼ lb., 20c.; 1 lb., 40c.

GERMAN IMPERIAL WHITE SUGAR.

It gives the best results raised in sandy soil free from alkali. Good for stock.

Pkt., 5c.; 1 oz., 10c.; ¼ lb., 15c.; 1 lb., 40c.

KLEIN WANZLEBEN.

This is the variety which is considered best in Germany for producing sugar, and is now taking the lead in this country for this purpose. Our stock of seed is imported direct from one of the most careful German growers, and should be used where the best results are desired.

Pkt., 5c.; 1 oz., 10c.; ¼ lb., 20c.; 1 lb., 45c.

If you plant Beets in large quantities, write for special prices.

Any of our Sugar or Stock Beets in 10-lb. lots at 25c per pound, purchaser to pay express or freight charges.

Favorite Beets for Stock Feeding New Mangel Half Sugar

A new variety, very much more valuable for feeding purposes than the old sorts, it being very much richer. In addition to this, the size and form have been improved until it yields as much per acre as the best Mangels, and twice as much per acre (bulk of roots) as the rich sugar beet seed; is much easier handled, keeps better and is in every way most valuable to the farmer. Roots large, ovoid in form, very smooth, with few rootlets; white in color, with small top.

Pkt., 5c.; 1 oz., 10c.; ¼ lb., 20c.; lb., 50c.

GOLDEN TANKARD.

Best for dairy farming. Considered indispensable among dairy farmers. They state that they are able to obtain a higher price for milk when feeding cows on Golden Tankard. Sheep thrive on it. Other Mangels cut white, circled with yellow, but Golden Tankard is of a rich, deep yellow throughout. Early, hardy, and a heavy cropper; on account of its shape the roots can be left standing close in rows.

Pkt., 5c.; ¼ lb., 20c.; lb., 40c.

MAMMOTH LONG RED.

An improvement on the Long Red. It stands head and shoulders above all other varieties of Mangels; unequaled for yielding and feeding qualities. Grows to a very large size, weighing from 20 to 50 lbs., and will yield 50 tons per acre with ordinary good cultivation. Thousands of Western farmers have grown our Mangel and call it the most profitable farm crop they ever tried. If you want large crops of large mangels of good quality, don't fail to try it. It is very uniform, smooth and of good shape. Should be grown in deep, loose soil.

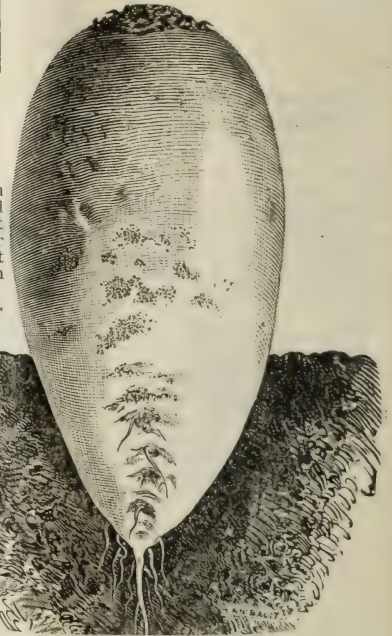
Pkt., 5c.; ¼ lb., 15c.; lb., 40c.

By Express, not prepaid, 5 lbs., \$1.50; 10 lbs., \$2.50.

YELLOW GIANT, INTERMEDIATE, LEVIATHAN, OR GATE POST.

Roots long, olive-shaped, very large, growing over one-half out of the ground; flesh white, sweet and tender; tops, bright green, comparatively small; neck small, short. We think this is perhaps the best of the yellow flesh beets, because its fine flesh never becomes woody, and its roots grow so well out of the ground that the crop is easily harvested.

Pkt., 5c.; 1 oz., 10c.; ¼ lb., 15c.; lb., 40c.



NEW MANGEL, HALF SUGAR.

YELLOW GLOBE.

Finest type of Yellow Globe in cultivation. Roots: immense size, fine shape, small tap root, neat top. Flesh being very firm and fine-grained renders it an excellent keeping variety. Well adapted to shallow soils.

Pkt., 5c.; 1 oz., 10c.; ¼ lb., 15c.; lb., 40c.

YELLOW OVOID.

Similar to the Yellow Globe, but grows to a much larger size, and more of a half-long shape. Yields an enormous crop. One of the most desirable stock-feeding mangels.

Pkt., 5c.; 2 oz., 10c.; ¼ lb., 15c.; lb., 35c.

Portland Seed Co.

Gentlemen: I used your seed last year with the greatest success and will be your customer again the following year. Yours truly,

November 23, 1904.

C. D. MANNING, Oakland, Oregon.

Broccoli

Broccoli is very much like Cauliflower in general appearance and growth, but is harder and will stand more cold and frost. Produces fine heads from late in the fall until early spring, according to time plants are set out. It is a very profitable crop and is now being planted extensively. Culture, same as for Cauliflower.

St. Valentine—New

The Finest Quality of all Broccolis.

This new English Broccoli is a winter variety of great merit, coming in about the middle of February. We do not mean the end of March as is too often the case with so-called winter Broccolis. This variety produces large, handsome, firm, solid, white heads that remain in good condition longer than any other sort. A novelty of great value.

Pkt., 20c.; 1/4 oz., \$1.00; oz., \$3.00.

LARGE WHITE FRENCH.

A valuable variety, with large, white heads, firm and of good flavor.

Pkt., 5c.; oz., 35c.; 2 oz., 60c.; 1/4 lb., \$1.00.

EARLY PURPLE CAPE.

A popular sort, hardy and heads well. The heads are large, of a brownish tint and excellent flavor.

Pkt., 5c.; oz., 35c.; 2 oz., 65c.; 1/4 lb., \$1.15.



ST. VALENTINE BROCCOLI—NEW.

Brussels Sprouts

The plants, which are very hardy, grow two or three feet high, and produce, from the sides of the stalk, numerous little sprouts, which resemble very small cabbages, one or two inches in diameter. The leaves should be broken down in the fall, to give the little heads more room to grow. They should be treated in all respects like winter cabbage or kale.

DWARF IMPROVED.

A carefully grown strain, very hardy, and giving compact, round sprouts of large size and good quality.

Pkt., 5c.; oz., 15c.; 1/4 lb., 40c.

FOR PLANTS OF BROCCOLI AND BRUSSELS SPROUTS, SEE PAGE 71.



BRUSSELS SPROUTS.



CORN SALAD.

A refreshing salad, used extensively in winter and spring as a substitute for lettuce. It is often cooked like spinach. Sow in drills, one foot apart, in the spring or fall. On the approach of cold weather cover with straw or coarse litter.

Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 60c.

Corn Salad

FETTICUS, OR LAMB'S LETTUCE.

Collards

TRUE GEORGIA.

Used as "greens" mainly in the South and West. As the leaves are pulled off others grow in their places.

Pkt., 5c.; oz., 15c.; 1/4 lb., 30c.

Cress

CURLED, OR PEPPER GRASS.

This salad is much used with lettuce, to which its warm, pungent taste makes an agreeable addition. The seed should be sown in drills about 16 inches apart, on very rich ground, and the plants well cultivated. It may be planted very early, but repeated sowings are necessary to secure a succession. Keep off insects by dusting with Pyrethrum Powder.

Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 50c.

TRUE WATER.

This is quite distinct from the former, and only thrives when its roots and stems are submerged in water. It is one of the most delicious of small salads, and should be planted wherever a suitable place can be found. The seed should be sown and lightly covered in gravelly, mucky lands, along the borders of small, rapid streams, and the plants will need no subsequent culture, as under favorable conditions they increase very rapidly by self-sown seed and extension of the roots.

Pkt., 5c.; oz., 35c.; 1/4 lb., \$1.



WATER CRESS.

For Plants see Page 71

Cabbage

For Plants see Page 71

CULTURE—The requisites for complete success are: First—Good seed. There is no vegetable where the seed has more influence on the quality of the product than in this, and gardeners should always use the best procurable. Second—Rich, well prepared ground. Third—Frequent and thorough cultivation. A heavy, moist and rich loam is most suitable, which should be highly manured and worked deep. Cabbage is universally grown all over the country, and specific directions regarding the time and methods of planting applicable to all localities cannot be given. In general, the early sorts should be sown very early in hot beds, hardened off by gradually exposing them to night air, and as early as the ground is in good condition transplanted, setting eighteen to thirty-six inches apart, according to size of variety.

The late autumn and winter varieties may be sown from the middle to the last of spring, and transplanted when four to six inches high. Shade and water the late sowings in dry weather to get them up. It is important that the plants should not be crowded in the seed bed, or they will run up weak and slender, and be likely to make long stems.



P. S. CO.'s FIRST CROP (From Photograph).

Early Jersey Wakefield

The favorite Early Cabbage with our market gardeners. A sure header. The thick, stout leaves and compact habit make it the best for wintering over and very early setting.

Stands today in an exalted position among early cabbages. It is grown more exclusively for market than any other early cabbage. It is always of good size, very solid, and has but few outside leaves; a reliable header, and always gives good satisfaction.

Pkt., 5c.; oz., 25c.; 2 oz., 45c.; ¼ lb., 75c.; ½ lb., \$1.25; 1 lb., \$2.00

EXTRA EARLY EXPRESS.

Produces medium-sized, pointed heads, in eighty to eighty-five days from sowing of seed.

Pkt., 5c.; 1 oz., 20c.; 2 oz., 35c.; ¼ lb., 60c.; 1 lb., \$2.00.

EARLY YORK.

Small, but very early; very popular sort. Can be planted close together.

Pkt., 5c.; 1 oz., 15c.; 2 oz., 25c.; ¼ lb., 40c.; 1 lb., \$1.50.



EARLY JERSEY WAKEFIELD.

CABBAGE PLANTS.

From November 1st to following August we aim to have on hand large quantities of Cabbage Plants. For prices see page 71.

Portland Seed Co.'s FIRST CROP

A 1905 Novelty from Europe.

An Ideal Early Cabbage.

This grand, new cabbage, which we are offering this season for the first time, is distinct from any other on the market. It is the earliest of all pointed varieties and an ideal sort for the private or market gardener, as it takes but little room, and produces fine, solid hearts ten days ahead of any other cabbage. We advise all our customers to try this new variety, for we believe it is a sterling novelty of the greatest value. (See cut.)

Pkt., 15c.; oz., 50c.; ¼ lb., \$1.50.



EARLY SPRING.

Early Spring

The Earliest Flat-Headed Variety.

A wonderfully compact plant, with few outer leaves, so that a great number of fine, solid heads can be produced on an acre. Although it does not come to full maturity as early as Jersey Wakefield, it becomes solid enough for use about as early, and is by far the best early sort for those markets that demand a large, round or flat cabbage. The plant is vigorous, with short stem. The leaves are large, broad, and of peculiar light green color. The heads are oval and very large for the size of the plant, nearly equaling those of the later kinds.

Pkt., 5c.; oz., 30c.; ¼ lb., 75c.; lb., \$2.50.

Portland Seed Co.

September 4, 1904.

Gentlemen: My cabbage done extra fine this year. Cabbage was large enough to use ninety days from time seed was sown. Yours truly,
MRS. HATTIE SMITH, Gold Hill, Oregon.

Second Early Sorts

EARLY WINNIGSTADT.

A desirable kind, having conical, solid heads; a sure header under almost any conditions, and keeps better than most early varieties. Fine, and of excellent quality.

Pkt., 5c.; oz., 20c.; 2 oz., 35c.; ¼ lb., 60c.; lb., \$2.00.

HENDERSON'S EARLY SUMMER.

About ten days later than the Jersey Wakefield. The head is round, and the largest of the early kinds; can be set close in the row as the outer leaves are small. It remains long without bursting; is firm and of the best quality.

Pkt., 5c.; oz., 20c.; 2 oz., 35c.; ¼ lb., 65c.; lb., \$2.00.

Cabbage, Second Early *Continued*

WELL-KNOWN AND POPULAR VARIETIES.

	Pkt.	Oz.	2 oz.	¼ lb.	Lb.
Early Dwarf Flat Dutch. Grows low on the stem; a sure header; firm, fine-grained, tender and excellent	5c.	20c.	35c.	60c.	\$1.75
Early Drumhead. Heads slightly flattened; does not crack; keeps well.....	5c.	20c.	35c.	60c.	\$1.75
Fottler's Improved Brunswick. The best Early Drumhead in the market.....	5c.	20c.	35c.	60c.	\$1.75
Sure Head. Certain to head; compact, medium to large	5c.	20c.	35c.	60c.	\$2.00
Succession, or All Seasons. Heads, large, slightly flattened; grows low on the stem	5c.	25c.	35c.	65c.	\$2.00
Charleston, or Large Wakefield. Larger and a little later than the Early Jersey Wakefield	5c.	25c.	35c.	60c.	\$2.00



P. S. CO.'S DANISH BALL HEAD.

Late or Fall Sorts

Hollander or Danish Ball Head

This is one of the hardiest cabbages in cultivation, and endures both frost and drought that would destroy other varieties.

Plants, very hardy, rather long stemmed, but compact; leaves, very smooth, but thick; head, of medium size, round and very solid, being the **hardest heading cabbage we know of**, and of the very best quality. Matures quite late, keeps well and is considered by many the best cabbage to hold over for spring markets. Pkt., 5c.; oz., 25c.; 2 oz., 40c.; ¼ lb., 75c., 1 lb., \$2.50.

February 23, 1904.

Portland Seed Co.

I used your seed last year and had very fine cabbage, both early and late. I will send for a larger order later on.

MRS. ANNIE KEENEY,
Saginaw, Oregon.

	Pkt.	Oz.	2 oz.	¼ lb.	Lb.
Premium Late Drumhead. Has no superior in any respect for family and marketing purposes, either for medium, early or late crop	5c.	20c.	35c.	60c.	\$1.75
Red Dutch. Used for pickling. The heads are very fine and remarkably sure heading	5c.	20c.	35c.	60c.	\$2.00
Stone Mason Marblehead. Large variety, sure to head; fine-grained, tender, sweet and delicious	5c.	20c.	35c.	60c.	\$2.00
Marblehead Mammoth Drumhead. The largest variety known; hardy; good keeper, but coarse	5c.	20c.	35c.	60c.	\$2.00
Improved American or Netted Savoy. Adapted for private use, where quality, rather than quantity, is desired	5c.	20c.	35c.	60c.	\$1.75
Drumhead Savoy. Large, compact head; tender and excellent; rich flavor	5c.	20c.	35c.	60c.	\$1.75

Premium Late Flat Dutch

This is superior to any other late cabbage in cultivation, when large areas are planted for shipping. It possesses all the good qualities of the Late Flat Dutch, and is a sure header.

Pkt., 5c.; oz., 20c.; ¼ lb., 60c.; lb., \$1.75.

Autumn King or World Beater

A sure header, very solid, fine-grained and tender. It grows quicker than any other large cabbage and will produce more to the acre. Color, dark green, with a slight bronze or brownish tinge to the outer leaves. The heads are remarkably thick through, and will attain a great weight. Has a short stem and grows near the ground.

Pkt., 5c.; oz., 20c.; ¼ lb., 60c.; lb., \$2.00.



PREMIUM LATE FLAT DUTCH.

FOR CABBAGE AND ALL VEGETABLE PLANTS SEE
PRICE LIST, PAGE 71.

Celeriac or Turnip-Rooted Celery



CELERIAC.

LARGE, SMOOTH PRAGUE.

An improved form of turnip-rooted Celery; round, smooth, with very few side roots. This is the largest variety and one of the very best.

Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.

Chervil CURLED.

This plant is used for flavoring soups and salads, and has a strong perfume. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.

Chicory

Extensively used to adulterate coffee, and as a substitute for it. The culture is the same as for carrots. Dig at about the same time as carrots, wash, slice and dry by artificial heat. The blanched leaves are used by some for salad.



CHICORY.

LARGE ROOTED, OR COFFEE.

The best kind.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

CHIVES.

See Vegetable Plant List, page 71.

Carrots

CULTURE—While a sandy loam, made rich by manuring the previous year, is the best soil for the carrot, any good land, if thoroughly and deeply worked, will produce satisfactory crops. When it is possible to do so it is advisable to sow as early in the spring as the ground is fit to work, though good crops may, in this latitude, be grown from sowing as late as June 15; but one is less certain of good crop from such late planting. For table use, sow the smaller kinds as early as practicable, in rows 16 to 18 inches apart, and for field culture prepare the ground thoroughly and sow in drills 18 to 24 inches apart, using from one and one and a half to three pounds to the acre, according to the distance between rows. Cover one-half to one inch deep and see to it that the soil is well firmed above the seed.

EARLIEST SHORT HORN, OR FRENCH (Forcing).

The earliest variety in cultivation, and best suited for forcing. Roots, reddish brown, globular and about two inches in diameter; should be used before full grown.

Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.



FORCING.

Chantenay

The Market Gardener's Favorite.

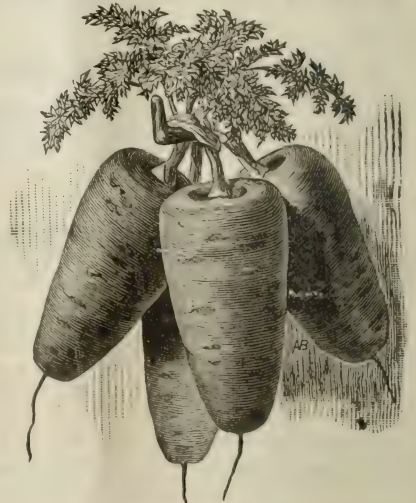
Tops, medium size; necks, small; roots, tapering slightly, but uniformly stumpy-rooted and smooth; color, deep, orange red; flesh very crisp and tender. Although this is a medium early sort, it furnishes roots of usable size as early as any; is a heavy cropper and is undoubtedly one of the best for both the market and private garden, while its great productiveness makes it very desirable as a field sort.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 70c.

EARLY SCARLET HORN.

The best early kind for general use. It is larger than the forcing variety, but fully as good in quality, and produces a much larger crop.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 85c.



CHANTENAY.

CHOICE CARROT SEEDS.

Our stocks are remarkably true to type. Gardeners wishing early strains which will mature uniformly, or longer, later sorts, where it is desirable to have the roots of even size, form and color for bunching, will find that our seed has been carefully grown with this aim in view.

Carrots—Continued

WHITE BELGIAN.



OXHEART.

Danvers Half Long

Grown largely on account of its productiveness and adaptability to all classes of soil. Tops, medium sized, coarsely divided. The smooth, handsome roots are orange, of medium length, tapering uniformly to a blunt point; flesh, sweet, crisp, tender; deep orange in color. Although the roots of this variety are short, they produce as large bulk as the longer field sorts, and are more easily harvested. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 70c.

Four Productive Stock Carrots**PORTLAND SEED CO.'S IMPROVED LONG ORANGE.**

The most popular of the older sorts for farm use on mellow soil. Our stock is an improvement obtained by years of careful selection of the best formed and deepest colored roots, which grow to a large size, some specimens averaging twelve inches in length. Enormous crops can be grown under fair culture; one of the best varieties for feeding stock.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; 1 lb., 65c.

IMPROVED SHORT WHITE.

We think this distinct variety will remain in the first rank as a field carrot, owing to its enormous productiveness and the ease with which it can be harvested. Roots half long, smooth, very heavy at the shoulder, but tapering regularly to the point; color light green at the crown, pure white below; flesh rich, white, solid, crisp and of excellent flavor. This variety is a real acquisition as a heavy yielding, easily harvested white carrot, and is the best of this class.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c.

LARGE WHITE BELGIAN.

Extensively grown for stock feeding; very productive. Grows so much above ground, that the entire crop can be pulled by hand. The White Belgian has recently been much improved, in the same manner as the Long Orange, and is now larger and of finer quality than formerly. The stock we offer has no superior.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c.

Yellow Giant—Portland Seed Co's

This new Carrot originated at the Sydney, Australia, Experimental Station, and has proved itself to be the **earliest and most productive stock carrot yet produced**. The average weight of this new sort varies from 10 to 13 pounds each, and a crop of at least 50 tons per acre is what you may look for. This new Carrot is half long variety, with an immense broad shoulder.

The Carrot penetrates less than one-half the depth into the ground. The importance of this point should not be overlooked, as it saves about one-half the expense of harvesting of the crop. The color is a bright yellow, and is **perfection** itself for giving the proper color to your butter. Ten dollars a pound is cheap for this valuable novelty, but we would not ask our customers to pay it. Every dairyman who wants a big crop of carrots of the right quality and easy of culture, should plant our Yellow Giant.

Pkt., 10c.; oz., 15c.; ¼ lb., 40c.; lb., \$1.25.

STOCK
CARROTS

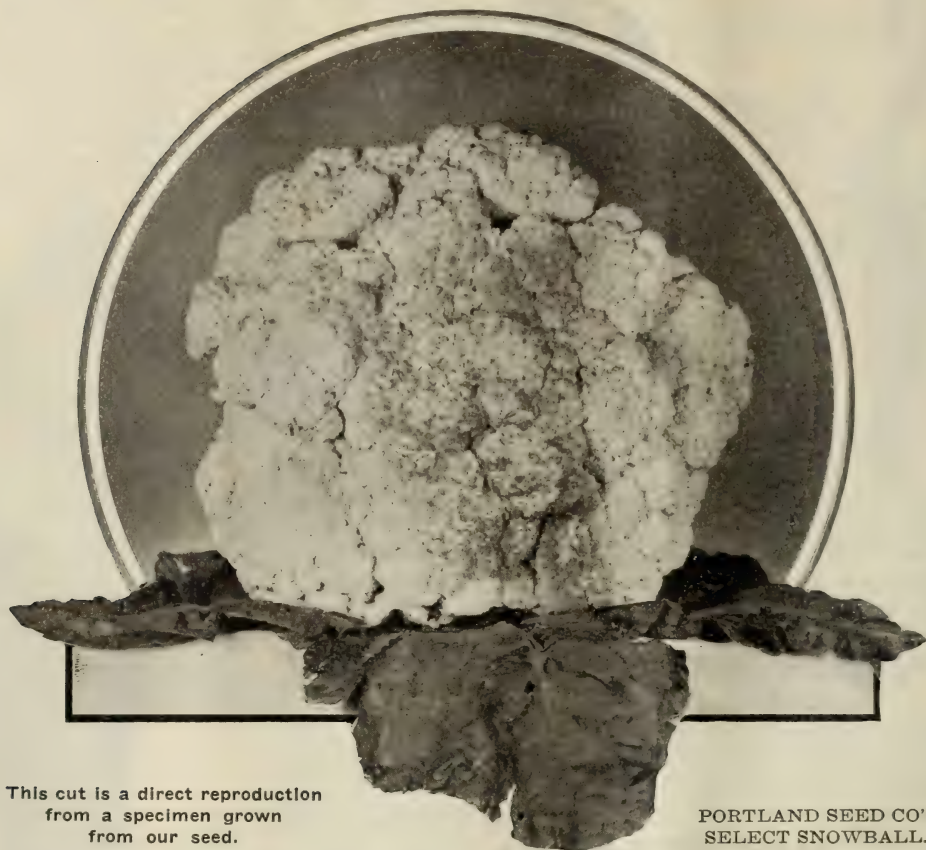
PORT. SEED CO'S
YELLOW GIANT

Port. Seed Co



Plant Portland Seed Co's "Diamond Brand" Seeds and raise large crops.

Cauliflower



This cut is a direct reproduction
from a specimen grown
from our seed.

PORTLAND SEED CO'S
SELECT SNOWBALL.

CULTURE—The Cauliflower succeeds well in any soil where cabbage will grow. It delights in a rich soil and abundance of water. By sowing the early varieties in a hot-bed in February or March, or later in a cold frame, fine heads can be obtained quite early. For a later supply sow seed in a prepared bed in May, choosing a cool, moist place. When large enough, transplant, making the rows about two and a half feet apart and eighteen inches between the plants. Transplanting should be done in moist weather. In dry seasons the crop must be watered.

CAULIFLOWER SEED.

Don't buy the cheap strains of Cauliflower Seed offered by many seed houses, if you want to raise those handsome, white heads. We would rather have one dozen plants from selected strains than one hundred from the ordinary. There is no finer seed grown than our Mt. Hood Snowball. Liberal applications of Nitrate of Soda and Kainit in cauliflower culture are of great service.

EARLY SNOWBALL.

Ordinary strain. Pkt., 5c.; 1 oz., \$1.25; ¼ lb., \$4.00.

EARLY PARIS.

A popular early sort. The heads are large, white, tender and excellent. Early and compact grower.

Pkt., 5c.; oz., 75c.; 2 oz., \$1.25; ¼ lb., \$2.00.

Selected Extra Early Dwarf Erfurt

Remarkable for reliability in heading. Very dwarf, with solid, pure white heads of superior quality. If planted the first of March, heads nine to twelve inches in diameter will be ready early in June.

Pkt., 10c.; ¼ oz., 65c.; oz., \$2.00.

EARLY ERFURT.

Ordinary strain. Pkt., 5c.; 1 oz., 75c.; ¼ lb., \$2.50.

WE HAVE CAULIFLOWER PLANTS IN SEASON.
See Price List, page 71.

P. S. Co's Mt. Hood Brand Early Snowball (See cut)

We have at last succeeded in obtaining a grand, new strain of Snowball Cauliflower, which we shall put up in sealed packages only, under our own label. This strain is grown for us by one of the few expert cauliflower growers, and is the result of a series of experiments which has brought this seed up to the highest state of perfection. This seed will produce those handsome, large, solid, white heads that always bring the gardener big profits. We recommend this for both early and late planting. Put up in sealed packages only.

Pkt., 25c.; ½ oz., \$2.00; 1 oz., \$3.50.

THORBURN'S GILT EDGE EARLY SNOWBALL.

We have sold this very select strain for several years, and it has always given good satisfaction. Put up in 1-ounce sealed packages only At \$3.50 each.

Large Algiers

A valuable, late sort, sure to head, of the best quality and very popular with market gardeners everywhere. Plant large, but of upright growth, the leaves protecting the heads so that they will endure, uninjured, a frost that would ruin other sorts. One of the very best of the late varieties.

Pkt., 5c.; oz., 80c.; 2 oz., \$1.50; ¼ lb., \$2.50.

VEITCH'S AUTUMN GIANT.

The heads are white, large, compact and thoroughly protected by foliage.

Pkt., 5c.; oz., 50c.; 2 oz., 90c.; ¼ lb., \$1.50.

Celery

CULTURE—Sow the seeds early, in a hot-bed or cold frame. As soon as the plants are three inches high, transplant in a prepared border, setting them four inches apart. When grown six inches, and fine, stocky plants, set in richly manured, deep soil, in rows three and a half feet apart, and about nine inches from plant to plant. Water, if dry weather follows transplanting. During the next two months all the attention that is required is to keep down the weeds. Afterwards, earth up a little, and continue doing so at intervals until only the tops of the leaves are visible late in autumn. Never hoe up the earth when the plants are wet. One ounce of seed produces about two thousand plants.

Snow White—New

The Handsomest White Celery.

This new celery is a pure white, self-blanching variety, recently introduced, after years of careful selection and improvement. It is without a rival in purity of color. In vigor of growth, ease of blanching, size, richness of flavor, crispness and purity, it is ideal. Our engraving gives some idea of the beauty of this variety. Single stalks sometimes weigh $2\frac{1}{2}$ pounds each. It grows solid on all kinds of soil and keeps better than many standard varieties. Pkt., 10c.; oz., 50c.; $\frac{1}{4}$ lb., \$1.60.

One grower reports: "Snow White is the finest celery of the white type I ever saw. I set 3000 plants and found only one stalk that was not pure white."

New Celery, "Winter Queen"

This is without doubt the most valuable variety of celery for winter and spring use ever introduced. Has double the amount of heart of any known celery. The plant is beautiful in appearance, of close habit and compact growth, and blanches to a beautiful cream-white. Ribs perfectly solid, crisp and of a delicious, nutty flavor.

It has the strong, robust growth of the Giant Pascal, but the plants, being of only medium height, are of better length for bunching for market, as well as more desirable for serving on the table. Its compact habit makes considerably less labor necessary in earthing up the plants to blanch, and the rows can be planted close together. Stored for winter or spring use, it is an excellent keeper, and when taken out the blanched stalks will be firm and crisp; entirely free from strings, brittle, and of sweet flavor.

Pkt., 10c.; oz., 40c.; 2 oz., 75c.; $\frac{1}{4}$ lb., \$1.25

White Plume

The Leading White Celery.

A handsome, crisp sort, of very easy cultivation. Naturally its stalks and portions of its inner leaves and heart are white, so that by closing the stalks either by tying or by simply drawing the soil up against the plant and pressing it together, the work of blanching is completed without the troublesome process of "banking" or "earthing up." It is the earliest celery known.

Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Golden Yellow Self-Blanching

This is no doubt the best Celery for early market uses. Plants of a yellowish green color when young, but as they mature the inner stems and leaves turn a beautiful golden yellow, which adds much to their attractiveness and makes the work of blanching much easier.

Pkt., 5c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.00.

For Celery
Plants, see
page 71.



SNOW WHITE.



WINTER QUEEN—NEW CELERY (From Photograph).

WELL-KNOWN AND POPULAR SORTS.

	Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
Large White Solid. Of vigorous growth; white, crisp, tender; fine, nutty flavor	5c.	20c.	60c.	\$1.75
Boston Market. Vigorous grower; tender, crisp, solid; best for light soils; late keeper	5c.	15c.	40c.	\$1.35
Giant Pascal. Largest variety grown; of fine, nutty flavor; very easily blanched	5c.	20c.	60c.	\$1.75
Golden Heart, or Golden Dwarf. Solid; of fine, nutty flavor; an excellent keeper	5c.	15c.	45c.	\$1.50
Dwarf White Solid. Said to keep in good condition later than any other variety	5c.	15c.	50c.	\$1.75
Perfection Heartwell. The finest and largest of winter varieties	5c.	20c.	50c.	\$1.50
Pink Plume. The same as White Plume, except in color	5c.	20c.	60c.	\$2.00
Celery Seed. For flavoring		10c.	15c.	35c.

Portland Seed Co.

Sirs: I have used your seeds for two years and have found them to be better for this climate than eastern seeds. Yours very truly,

LEE WEIR, Centralia, Wash.

January 24, 1904.

Corn—Sweet or Sugar

In ordering by mail add 10c per lb. for postage. Prices in quantity on request.

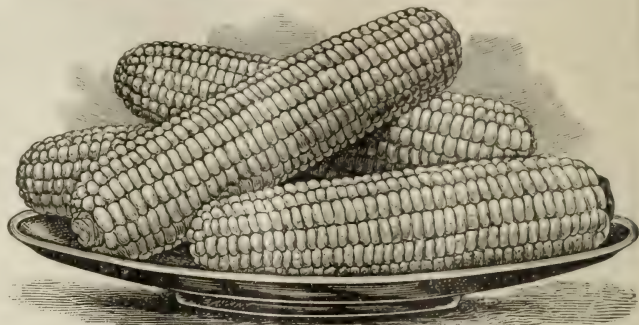
CULTURE.—Select a warm soil, if possible, especially for the earlier varieties, which should not be planted before the middle of May. Successive plantings should be made every two weeks till July. Plant in hills, three or four feet apart, in thoroughly manured soil. One quart to two hundred hills; ten quarts to an acre.

Golden West—New

The sweetest and richest corn ever grown. This season we offer our customers a distinct novelty in a sweet corn, which we have christened Golden West. It is the earliest of all early sweet corns; the sweetest, most tender and delicious ever tasted. We are sure it will meet with the approval of all our customers, and we would like to have reports at the end of the season.

Golden West Corn can be planted earlier than most sweet corns and will produce ears for the table earlier than any. Highly recommended for the home garden. Stock limited this year. Order early.

Pkt., 15c.; lb., 25c.; 10 lbs., \$2.00.



GOLDEN WEST.

October 10, 1904.

Portland Seed Co.

Your Golden West Sweet Corn is certainly the sweetest and finest early corn I ever raised. The golden ears are handsome and of fine flavor.

F. W. MILLER, Portland, Oregon.

Peep O' Day New Sweet Corn

Ten days Earlier than Any Other—Sweet, Early, Productive.

You will not be disappointed in this New Sweet Corn. Recently introduced. Has pleased everyone who has tried it. For flavor, sweetness and productiveness it is ahead of any other early white sweet corn. It will prove a money maker for the market gardener, and a valuable addition to our list of corn for our short western summers. (See cut.)

Pkt., 15c.; lb., 30c.; 10 lbs., \$2.00.

Mammoth Early Cory

Most Popular Early Sweet Corn.

The stalks are no larger than those of the White Cob Cory, but each stalk furnishes two or more large, fine shaped ears, which are fit for use before those of most other sorts. The ears are twelve-rowed, very symmetrical and handsome, with no opening between the rows at the base. The grain is large, broad, very white and of remarkably good quality for such an early sort. The size and beauty of this variety gives it ready sale, even when the market is over-stocked.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.25.

Early Minnesota

This old and deservedly popular variety is one of the best of early sorts for the market and the private garden.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.10.

Early Fordhook

This is the largest-eared, extra early, true Sweet Corn, averaging seven inches in length. It is two to three days earlier than the Cory, and has both grains and cobs of pure white coloring. The ears are eight-rowed with quite small cob and deep grains. While similar in growth it is greatly superior to the Cory in sweetness in flavor.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.25.

Early Evergreen

The Best Second Early Sweet Corn.

As is well known, the famous Evergreen Sweet Corn originated over twenty years ago, but while it is the best variety of late Sweet Corn, no effort has ever been made to improve it in earliness until now. In the New Early Evergreen we have a selection possessing every good quality of Stowell's Evergreen, and resembling it in every respect, except that the stalk is about one foot shorter, more closely jointed, and that it will mature for market ten to fourteen days earlier. It is certainly a valuable addition to the corn list, and we advise all our customers to try this variety.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.25.

WHITE COB CORY.

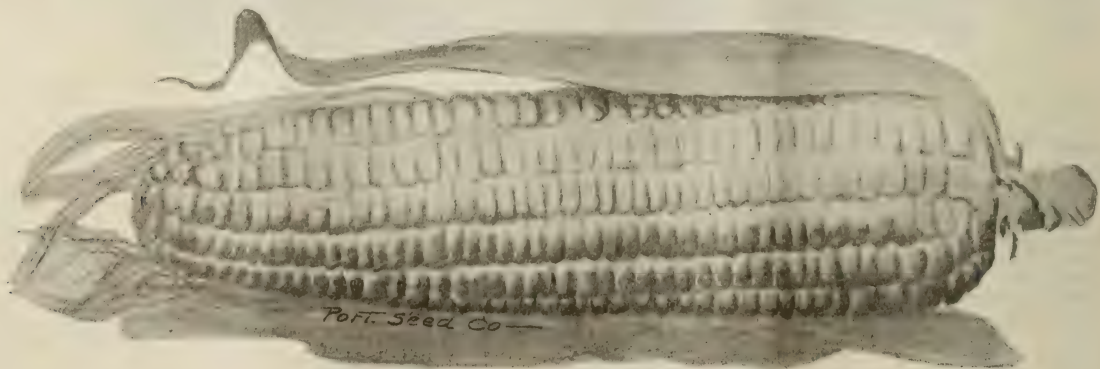
An improvement on the Red Cobbed Cory, as well as being equally early. The ears are larger and it has the further advantage of having both a white cob and a white grain. A splendid market garden variety, and excellent for the table.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.20.

STOWELL'S EVERGREEN.

Remarkable for remaining a long time in a fresh condition suitable for the table. Hardy and productive, and the best late variety for general use.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.25.



PEEP O' DAY SWEET CORN.

Sweet Corn—Continued

Standard Varieties Well and Favorably Known. All 10c. per packet, postpaid.

	Per lb.	Per 10 lbs.
Adams' Extra Early. Not sugar corn; small ears for early use	10c.	\$0.90
Black Mexican. Black grains, sweet and delicious; fine for home use	15c.	1.20
Crosby's Extra Early. Fair-sized ears, of excellent quality	10c.	.90
Country Gentleman. The sweetest and most tender of all Sweet Corns	15c.	1.15
Extra Early Cory (Red Cob). One of the earliest sweet varieties; when ripe grains are pink	15c.	1.20
Kendel's Early Giant. Very early; ears 8 to 10 inches; sweet and tender; good eating	15c.	1.00
Mammoth Sweet. Very large, white grain; early and productive	15c.	1.10
Moore's Early Concord. Grains deep, of fine quality; popular for market	10c.	.90
Old Colony. Large growing variety, much prized	10c.	.90
Perry's Hybrid. Very early and of large size; valuable for market	10c.	.90
Late Mammoth. The largest ears of all, rich, sweet and superior	15c.	1.10
Fodder Sweet Corn. Mixture for soiling and green fodder	10c.	.80
White Rice. Best variety of popping corn	10c.	.80

Pound prices on Corn do not include postage. Add 10c extra per pound if wanted by mail.



CHAMPION WHITE PEARL.

A large, white, late dent variety, pearly white kernels. This variety is very popular with our dairymen on account of the great amount of green feed it makes.

1 lb., 10c.; 10 lbs., 55c.

Field Corn

Field Corn is now recognized as one of the leading crops for fodder on the Pacific Coast. If cut green and packed in silos it makes an excellent winter green feed, particularly adapted for milch cows.

MINNESOTA KING (Dent).

Recommended by the Agricultural College as the best variety for Western Oregon and Washington. Smallest cob and longest grain. The ears are uniformly well filled out, and it will make more shelled corn to a given bulk of ears than any other variety. It is a beautiful golden yellow and a good yielder.

1 lb., 10c.; 10 lbs., 60c.

PRIDE OF THE NORTH, OR YELLOW DENT.

Recommended, after repeated tests by the Agricultural College, as the best for Eastern Oregon, Washington and Idaho. A quick growing, dent variety, thriving well where the summers are not very long. The kernels are of a beautiful golden color.

1 lb., 10c.; 10 lbs., 55c.

SATISFACTION

Portland Seed Co.

April 22, 1904.

Gentlemen: I must say that your seeds gave me better satisfaction last year than any other I have ever used, so I will send to you this year. Wishing you success, I remain, yours truly,
I. J. BIGELOW, Aurora, Oregon.

STANDARD VARIETIES.

	1 lb.	10 lbs.
Early Canada (Flint). An eight-rowed Yellow Flint Corn; early and very productive	10c.	55c.
King Philip. An early Red Corn; well acclimated and well known	10c.	65c.
White Cap Yellow Dent. Suitable for all climates where corn can be expected to grow	10c.	55c.
Leaming (Early). Corn yellow; grain small; weighty; productive	10c.	55c.
Early White Flint. Productive, early and of beautiful appearance	10c.	60c.
Iowa Silver Mine. A medium early, silver white, dent corn; fine	10c.	60c.
Wisconsin White Dent. A yellowish white dent, of extreme earliness	10c.	55c.

All sorts 10c. per packet. Prices per 100 lbs. on request.

Corn Planters—They save time and Seed. See page 76—Corn Planters

Cucumbers



BOSTON PICKLING.

BOSTON PICKLING, OR GREEN PROLIFIC.

A distinct variety, very popular for pickles. Fruit short, very smooth and symmetrical, but pointed at each end; bright green and a great producer.

Pkt., 5c.; oz., 15c.; ¼ lb., 30c.; lb., 90c.

CULTURE.—Cucumbers need a warm, sandy soil, and should not be planted in open ground until the weather is settled and warm, as otherwise they will not thrive. Plant in hills four feet apart each way, thinning to three or four of the strongest plants, after danger from insects is passed. Sprinkle the young plants with fine ashes, plaster or air-slaked lime, to protect them from bugs. As fast as the cucumbers attain suitable size they should be taken from the vine, whether required for use or not, as their ripening soon destroys the vine's fruitfulness. The fruit should be carefully shaded, as exposure to the sun causes the flesh to become bitter and tinted with green. When preparing cucumbers for the table all flesh so affected should be removed.

EARLY SHORT GREEN, OR EARLY FRAME.

An excellent sort for both table use and pickling. Plants very vigorous and productive. Fruit straight, handsome, small at each end, bright green, lighter at the blossom end, with crisp, tender flesh, and makes excellent pickles. Comes into use a little later than the Early Cluster and keeps green a long time. Our stock is very superior.

Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.00.



EARLY CLUSTER.

EARLY CLUSTER.

Vine vigorous, producing the bulk of the crop near the root and in clusters. Fruit short, with uniformly thick end, dark green, but paler at blossom end. A very productive sort.

Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.00.

Cucumbers—Continued

EARLY RUSSIAN.

Earliest and hardiest. Vine vigorous and productive. Fruit three to four inches long, thick, oval, pointed at each end, and covered with fine, small spines. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.00.

Best Long Green

The leading, large variety. Fruit from ten to twelve inches long, dark green, crisp and tender. A good variety for slicing, and when ripe they are the best for sweet pickles. We offer the "Best Strain," that will grow long and uniform in shape. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

PEERLESS, OR EARLY WHITE SPINE.

One of the best sorts for table use, fruiting early and abundantly. Fruit uniformly straight and handsome; light green, with a few white spines. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.00.

Japanese Climbing

The vines are of a healthy, vigorous growth, with a rich, dark green foliage, and throw strong, grasping tendrils which enable it to climb trellis, wire netting, brush, or any other suitable support. It bears abundantly throughout the season, while the climbing habit enables the fruit to grow perfectly straight. From 12 to 16 inches in length. The cucumbers are thick, tender and of delicate flavor. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.

COOL AND CRISP.

A strain of White Spine. The vine is vigorous and the fruit long, cylindrical, dark green, with quite a number of white spines. The flesh is peculiarly crisp and tender and it is one of the very best for table use. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.00.

GHERKIN FOR PICKLING.

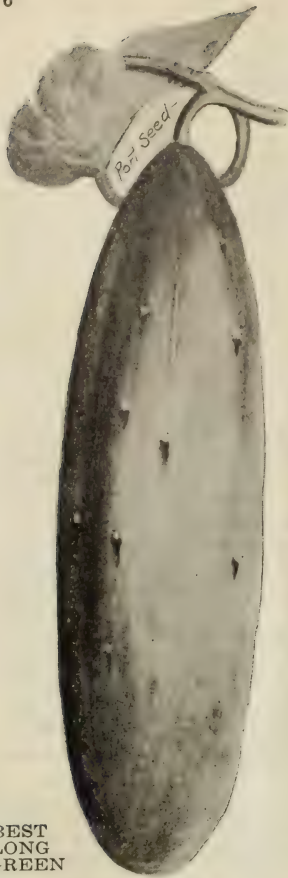
A very small, oval, prickly variety, quite distinct from all others.

Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.

New Cucumber—"CUMBERLAND"

A distinct variety which is especially desirable for pickling. The vines are hardy, of strong, vigorous growth and fruiting very freely. The young cucumbers are of even size and regular form, thickly set with small spines, and are equally attractive for making small gherkins, medium sized or large pickles. Cumberland originated from a cross of the slender, thickly spined Paris Pickling and the popular White Spine, and in color is a dark pea green. The straight young fruits possess the distinctly roughened surface so much desired for small pickles. The large fruits when allowed to grow average nine to ten inches in length, two and a half inches in diameter, with full, rounded ends, and are of excellent quality for slicing. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

BEST
LONG
GREEN



Endive

This is a hardy vegetable, cultivated principally for a winter salad. Sow from May until August for a succession of crops; tie the leaves closely together to blanch them.

GREEN CURLED.

Standard sort for fall and winter.

Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.

WHITE CURLED.

A beautiful variety, with curled, mossy leaves, for early use.

Pkt., 5c.; 1 oz., 15c.; $\frac{1}{4}$ lb., 40c.

BROAD LEAVED BATAVIAN (Escarolle).

Has broad, thick leaves, which form a large, loose head.

Pkt., 5c.; 1 oz., 15c.; $\frac{1}{4}$ lb., 40c.



ENDIVE.

Egg Plant

Should be started in a hot-bed and transplanted when the weather is settled and the ground thoroughly warm. They will thrive with the same treatment as that given the tomato.

EARLY LONG PURPLE.

The earliest and hardiest, very productive; fruit from 6 to 10 inches long.

Pkt., 5c.; oz., 30c.; $\frac{1}{4}$ lb., 85c.

NEW YORK IMPROVED, LARGE PURPLE.

The leading market variety. Large, round, dark, excellent, and the most productive. Pkt., 5c.; 1 oz., 35c.; $\frac{1}{4}$ lb., \$1.00.

BLACK PEKIN.

Oval round, of medium size, very dark, glossy and handsome.

Pkt., 5c.; oz., 30c.; $\frac{1}{4}$ lb., 80c.

For EGG PLANTS, see Vegetable Plants, page 71.



NEW YORK IMPROVED.

Garlic

Used same as onions. Sets, per lb., 15c.; postpaid, 25c.

Horse Radish Roots

These sets or small roots can be planted in the spring or fall, small end down, with top one inch below the surface, in rich, cultivated soil. Will form radishes of large size in one season's growth. For prices see Plants and Roots, page 71.

Portland Seed Co.

April 2, 1904.

The Eggs, Plants, Seeds and Poultry Supplies ordered from you came promptly and in perfect condition. Thanking you for filling the order so carefully, I am,

MRS. EMMA ERICKE, Deep River, Wn.

Kale or Borecole

Kale, or Borecole, is a kind of cabbage that does not form a close and solid head, but a cluster of beautifully curled or wrinkled leaves that are tender and of excellent flavor. It requires the same treatment as cabbage; is very hardy, being improved by frost.

Portland Seed Co.'s

Emerald Isle

The Finest Kale in the World.

This is really the handsomest Kale that has ever come under our notice, and is entirely distinct from other strains; very hardy, of medium height. The closely curled, handsome leaves are most attractive and of fine flavor. A fine exhibition plant. (See engraving made from photograph.) Pkt., 10c.; oz., 35c.; ¼ lb., 75c.

TALL GREEN CURLED SCOTCH.

Grows about two feet high; leaves dark green, curled and wrinkled; very hardy, and is improved by a light frost. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.

THOUSAND HEADED.

Grows very large; used mostly for feeding stock. Pkt., 5c.; oz., 10c.; ½ lb., 30c.; lb., 75c.



EMERALD ISLE (From Photograph).

Half Dwarf Moss Curled. Medium sized leaves, nicely curled	Pkt. 5c.	oz. 15c.	¼ lb. 40c.
Dwarf Green Curled. Leaves beautifully curled and bright green	Pkt. 5c.	oz. 10c.	¼ lb. 30c.
Siberian. Extensively grown for winter greens; uniformly dwarf	Pkt. 5c.	oz. 10c.	¼ lb. 30c.

Kohl Rabi

The Kohl Rabi is a vegetable intermediate between the cabbage and turnip, and combines the flavor of both. The edible part is a turnip-shaped bulb formed by the swelling of the stem. When used for the table this should be cut when quite small, as it is then very tender and delicate, but if allowed to reach its full size it becomes tough and stringy.

EARLY WHITE VIENNA.

Very early; bulb, white; best table variety.

Pkt., 5c.; oz., 20c.; ¼ lb., 60c.

EARLY PURPLE VIENNA.

Same as above, except in color, which is purple.

Pkt., 5c.; oz., 20c.; ¼ lb., 65c.



KOHL RABI.

Lettuce

CULTURE.—Lettuce will thrive in any good garden soil and requires so little care that all who have the ground at their disposal should raise enough for their own use, and especially as the quality depends almost entirely on its crisp freshness.

Simpson's Early Curled

A leading market variety used for very early planting and forcing. Forms a dense mass of finely curled and wrinkled leaves that are excellent and tender, and do not wilt readily.

Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.00.



PRIZE HEAD.

Early Prize Head

Seed White.

This old, standard sort still stands at the head of the large, thin leaved, clustering varieties. The very large leaves are savoyed or crimped, bright green, tinged with red, and are exceedingly tender, crisp and sweet, forming a large, loose head. This variety is one of the very best for the garden, but is not a good sort to ship long distances.

Pkt., 5c.; oz., 10c.; ¼ lb., 35c.; lb., \$1.00.

BLACK SEEDED SIMPSON.

Forms a close, compact mass of curly leaves of a yellowish green.

Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

LARGE DRUMHEAD.

One of the largest heading kinds, but the heads are not so solid as the Hanson or Deacon.

Pkt., 5c.; oz., 15c.; ¼ lb., 30c.; lb., 90c.

EARLY TENNIS BALL.

The plant is small, of rapid growth, and should be used as soon as large enough, as it quickly runs to seed. Leaves dark green, thick and crisp. One of the best for growing under cover, and for forcing.

Pkt., 5c.; oz., 15c.; ¼ lb., 30c.; lb., \$1.00.

BROWN DUTCH.

Forms a large, solid head, sweet, tender and of good flavor. Outer leaves tinged with brown. Very hardy.

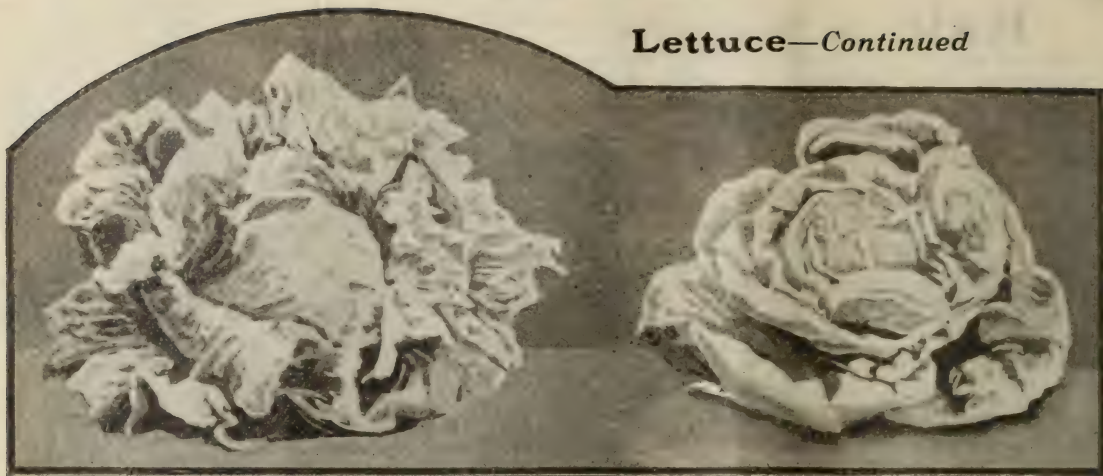
Pkt., 5c.; oz., 15c.; ¼ lb., 30c.; lb., \$1.00.

WHITE PARIS COS.

A distinct variety, forming oval, upright heads, largest near the top. It is hard, tender and crisp, and does not run to seed so quickly as other Cos varieties.

Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.00.

Lettuce—Continued



PORTLAND SEED CO.'S CRISPETTE. (Engraving from photograph.) MAY-KING.

Portland Seed Co's New Crispette

In offering this new lettuce this season for the first time, we firmly believe we have a variety that will appeal to all lovers of this vegetable. It is a beautiful lettuce, the quality of which is simply perfect. The large, curly leaves, which cover the outside of the solid heads, are of a bright, light green.

The unusual solidity of the heads is insured by the large, white, main ribs of the leaves, each of which, curving strongly toward the center, makes it impossible for the leaves to open outward and expose the center, which will always be found crisp, tender, sweet and melting. It matters not whether grown to head, in the early spring or the hottest days of summer, the leaves are always crisp and tender (see cut).

Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.00.

May-King

A Grand New Butter Lettuce.

A large growing, smooth leaved, richly flavored sort, which we believe to be the best of all smooth leaved Lettuces. Plant, light green, with round leaves, which form into a very solid, compact, round head; stands a long time without running to seed. Leaves very thick, folded or puckered at the base, the inner ones blanch to a rich, golden yellow. Exceedingly rich, tender and buttery. Fine for open ground or forcing (see cut).

Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 60c.

Henderson's Immensity.

The Largest Head Lettuce in the World.

Often 4 to 5 feet in circumference, and as good as it is large. A luxuriant grower, consequently tender, sweet and crisp.

Immensity is a gigantic Lettuce with an enormous, solid head. The plant and head are not only of phenomenal dimensions, but also of the finest quality, even the outer leaves being tender. The plant is often 18 inches in diameter, while the head proper is proportionately large. It is one of the slowest to run to seed that we have ever seen, and maintains that crispness of texture and sweetness of flavor that will surely make it very popular. It is an excellent variety for early spring, as it has good heat resisting qualities which carry it safely through the most trying seasons. It is not early, but is absolutely reliable for a late crop at a season when other varieties are hard to procure.

Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 70c.

DEACON.

Heads very solid and of excellent flavor, remains in condition for use as long as any variety in cultivation. Plant medium sized, with very few outer leaves, which are deep green and very thick, while the inner ones blanch to a bright yellow and are exceedingly well flavored, crisp and tender. This is certainly one of the best varieties for summer use.

Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.00.

Hanson

The Leading Head Lettuce.

(Improved Hard-Heading Stock.) We can recommend this as one of the very best. Heads green outside and white inside; grows to a remarkable size, very solid, and is deliciously sweet, crisp and tender. It withstands the hot sun.

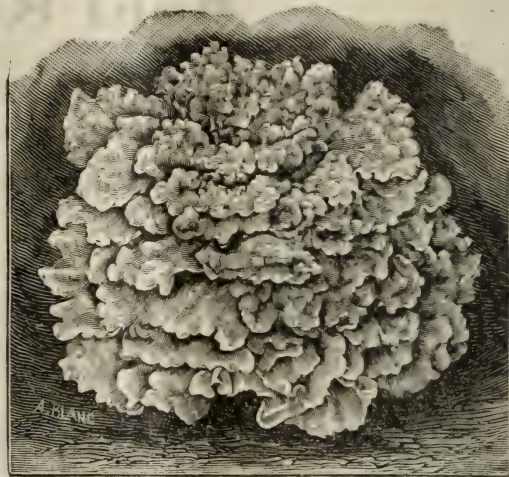
Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.00.

Grand Rapids

For Early Forcing.

As a Lettuce for greenhouse forcing this variety undoubtedly stands at the head of the list. Of quick growth, little liable to rot, and stands for some days after being fit to cut. The plant is upright and forms a loose head or cluster of large, light yellowish-green leaves, slightly crimped and blistered, rather thin, good flavor, crisp and tender. It will stand shipping better than most curled sorts (see cut).

Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.



GRAND RAPIDS—FORCING.

Leek

The Leek belongs to the onion family. Prized for soups. Cultivation similar to that of onions, but hill up about the neck to blanch it.

LARGE ROUEN
LEEK.**LARGE ROUEN,
OR AMERICAN FLAG.**

A large, favorite, American sort.

Pkt., 5c.;
oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

MONSTROUS CARENTON.

Rather larger than the Flag, but very tender and mild on account of its rapid growth.

Pkt., 5c.;
oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

Muskmelons

Melon Seed is short crop again this year and prices are still high. Beware of seed offered at lower prices.

CULTURE.—Cultivate as recommended for cucumbers, except that the hills should be six feet apart. Rich earth for the young plants is far better than manure, but if the latter is to be used, see that it is well rotted.

Rocky Ford or Netted Gem

The most popular and best seller among Muskmelons.

The fruit is oval, slightly ribbed, densely covered with coarse netting. Flesh thick, green, very sweet and highly flavored. The fruit is wonderfully uniform in shape and quality. Grown largely in Colorado and shipped in carload lots all over the country. The favorite with market gardeners everywhere.

Pkt., 5c.; oz., 15c.; ¼ lb., 30c.; lb., \$1.00.

Maule's Superior—Green Flesh

This excellent early Muskmelon ripens about the same time as Jenny Lind, but is rather larger than that famous variety. The quality of the melon is unsurpassed, and it is a perfect shipper. The fruit is so attractive in appearance as to command a higher price in the market than other early sorts.

Pkt., 5c.; oz., 20c.; ¼ lb., 50c.; lb., \$1.50.



NETTED GEM.

Small Green Nutmeg

A variety resembling the Jenny Lind, and ripening nearly as early. The flesh is green, fine and very sweet. Superior for the early market, or family garden, and a favorite for hotels and restaurants.

Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.00.

Osage or Miller's Cream

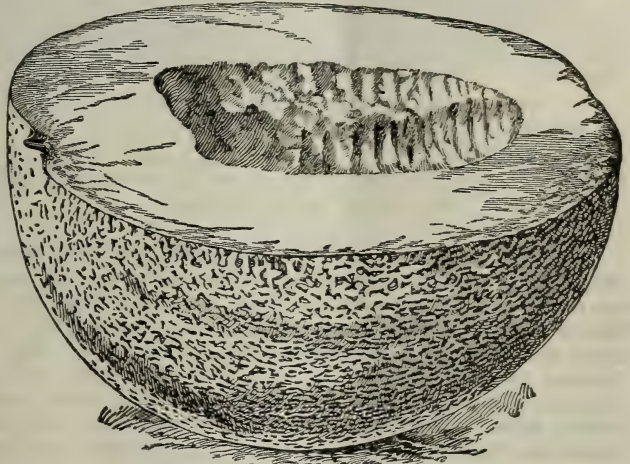
The finest flavored melon in cultivation, and the best melon for the market gardener, the trucker, the farmer or for the small planter. Without question the sweetest of all melons. The flesh is of a rich salmon color, very sweet and melting in quality.

Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., 90c.

Paul Rose, or Petoskey

Something new; created by a cross between the Netted Gem and Osage; fruit oval, about five inches in diameter, rich orange in color, sweet and highly flavored.

Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.00.



OSAGE, OR MILLER'S CREAM.

WELL KNOWN AND POPULAR VARIETIES.

	Pkt.	oz.	¼ lb.	lb.
Jenny Lind. Extra early, flesh green, fine flavor	5c.	15c.	40c.	\$1.25
Extra Early Hackensack. Flesh green, delicious, juicy and sweet; medium size	5c.	15c.	35c.	\$1.00
Early Baltimore, or Acme. Early, oblong, pointed; flesh light green, sweet	5c.	15c.	35c.	\$1.00
Large Yellow Cantaloupe. Early and productive; flesh salmon color, rich, sweet	5c.	15c.	35c.	\$1.00
Emerald Gem. Medium size; early; flesh yellow, rich, sweet	5c.	15c.	40c.	\$1.25
Casaba. Large; flesh green, sweet and delicious	5c.	20c.	50c.	\$1.50

Watermelons

CULTURE.—The Watermelon, in its origins and habits, is similar to the Muskmelon, and should receive the same cultivation and treatment, except that the hills should be further apart.

Fordhook Early

A Fine, Extra Early Melon.

Fruit of good size; skin dark green; flesh bright and crisp, sweet and good quality. Rind thin but tough. Good shipper.

Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

COLE'S EARLY.

The finest early, medium size; round striped skin. It matures in every state; very hardy; flesh of deep red; sweet and delicate in flavor.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

PHINNEY'S EARLY.

A valuable variety for use in the North; hardy and a sure cropper. Vines vigorous and productive, fruiting quite early. Fruit medium sized, oblong, smooth, marbled with two shades of green; rind thin; flesh pink, very sweet, tender and crisp.

Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 65c.



COLE'S EARLY.

Watermelons—Continued

FERRY'S ICEBERG.

A handsome, new melon; has a very hard, firm rind, making it a good shipper. Flesh rich, tender and sweet. Pronounced by some to be the best, dark colored, shipping melon yet produced.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 70c.

Kleckley's Sweet or Monte Cristo

A splendid sort for home use or near markets. Vine vigorous and productive; fruit of medium size; oval; color dark, mottled green in two shades, forming indistinct stripes. Flesh a beautiful, bright, rich red, exceedingly sweet and tender. A most delicious melon for home use.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

CUBAN QUEEN.

A very fine variety, growing to a great size; flesh bright red, solid and sweet. The skin is beautifully striped dark and light green. Melons are wonderfully solid; rind thin. They are enormously productive and ripen early.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 70c.

ICE CREAM, OR PEERLESS.

A grand favorite and standard variety. Superior in every respect. Has beautiful, crimson core, which is always fine grained; cannot be surpassed in flavor. Very prolific, magnificent grower; is one of the best for market and home purposes.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

WELL KNOWN AND STANDARD VARIETIES.

	Pkt.	oz.	$\frac{1}{4}$ lb.	lb.
Dark Icing. Early, round, solid, with thin, dark green skin; of superb quality	5c.	10c.	20c.	65c.
Dixie. Flesh red and tender, skin dark, very attractive and productive	5c.	10c.	20c.	65c.
Black Spanish. Round, dark green melons; flesh of fine quality	5c.	10c.	20c.	70c.
Gray Monarch, or Long White Icing. Very large; long; crimson flesh	5c.	10c.	25c.	65c.
Florida Favorite. Large and long; rind firm; flesh deep red	5c.	10c.	25c.	75c.
Kentucky Wonder. Oblong; flesh scarlet, crisp, tender, rich	5c.	10c.	25c.	75c.
Kolb's Gem. Almost round; flesh sweet; rind dark; good shipper	5c.	10c.	20c.	60c.
Mountain Sweet. An old, reliable sort; flesh red; of extra fine quality	5c.	10c.	20c.	65c.
Gypsy, or Georgia Rattlesnake. Oblong, dark and striped; bright red flesh	5c.	10c.	20c.	65c.
Citron (Red or Green Seeded). Round and handsome; for preserving only	5c.	10c.	25c.	75c.



KLECKLEY'S SWEET (MONTE CRISTO).

Sweet Heart

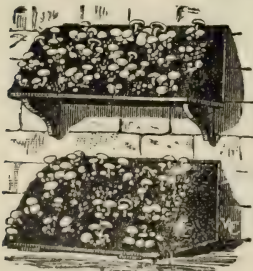
A Handsome and Profitable Melon.

This melon has become very popular as a shipping melon. Vine vigorous and productive, ripening its fruit early. Fruit large, oval, very heavy, uniformly mottled dark and very light green. Rind thin but firm. Flesh bright red, firm, solid, but very tender, melting and sweet. Fruit retains its good quality for a long time after ripening. Our stock is the very best.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

Mushroom Spawn

With intelligent care and good spawn, Mushrooms can be made to pay handsomely. They can be successfully grown in a dry cellar, under the benches of a greenhouse, or in sheds, where the temperature can be kept from 50 to 60 degrees through the winter.



MUSHROOMS.

FRENCH.

Mushrooms obtained from this spawn are very highly esteemed. In 3-lb. boxes, per box, \$1.50.

ENGLISH.

In bricks.
By mail, postpaid, 30c. lb.
By express, 20c. lb.

MUSHROOM CULTURE.

If you want to be successful growing Mushrooms send for the book on Mushroom Culture. See book list, page 98.

We have a small booklet on Mushroom Culture for 15c postpaid.

Mustard

Used alone as "greens," or with cress as salad. Sow any time in the spring, in rows, and thin out as necessary.



GIANT CURLED MUSTARD.

SOUTHERN GIANT CURLED.

We offer a fine strain of the true curled-leaf.
Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

WHITE ENGLISH.

Leaves mild, tender when young, seeds yellow.
Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 35c.

PUREST SEEDS

Onions

HIGHEST TEST

CULTURE.—The onion thrives best in a rather deep, rich, loamy soil, and, unlike most vegetables, succeeds well when cultivated on the same ground for successive years. The best culture requires that the ground should be deeply dug and heavily manured with well rotted manure a season or two previous. Sow as soon as the ground can be prepared in the spring.

The best that grow. We pride ourselves in selling the very best Onion Seed that can be produced. Try it.



OREGON YELLOW DANVERS (From Photograph).

Oregon Yellow Danvers

This is the variety planted almost entirely in the Northwest, particularly in Oregon.

The largest crops of onions and the best keepers, bringing the highest prices in the Oregon and California markets, are the Oregon Yellow Danvers.

The bulbs are uniformly large, of a half globe in shape, with small necks.

It is the earliest, largest in size, most perfect in shape, the largest cropper and the best keeper, and as a market or table onion cannot be excelled.

Our seed is grown specially for us by the best onion seed growers in Oregon. No onion grower can afford to plant anything inferior when such seed can be obtained.

Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 45c.; lb., \$1.25.

YELLOW DANVERS.

The old standard variety.

Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.00.

Extra Early Red Flat

The First Red Onion to Ripen.

A medium sized, flat variety; an abundant producer and very uniform in shape and size; moderately strong flavored, and comes into use nearly two weeks earlier than the Large Red Wethersfield. Very desirable for early market use.

Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.30.

Australian Brown

Since its introduction, a few years ago, it has become one of the most popular and most sought after onions in many markets. Its remarkable keeping qualities and handsome appearance have brought it rapidly to the front. This onion resembles the Oregon Yellow Danvers in general appearance, but has a clear, amber-brown skin that attracts buyers. It matures early, ripens uniformly, and will keep in good condition longer than any other onion. We offer the true, genuine seed, Oregon grown.

Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

Yellow Globe Danvers

A very handsome, round or globe shaped variety, of large size, with thin, yellowish skin, white flesh, fine grained, mild, very firm, and the best of keepers. It ripens early and sells readily at the highest prices.

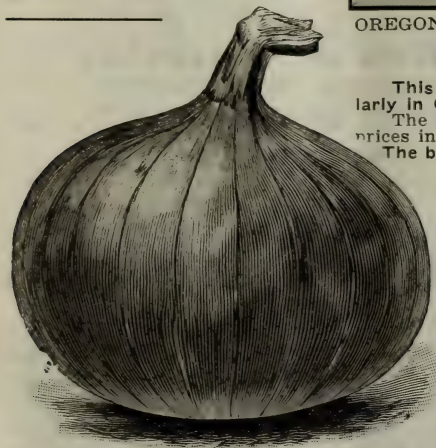
Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

Large Red Wethersfield

A standard variety, one of the most productive kinds, even in poor soil. Its good keeping qualities render it one of the best for shipping.

Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 45c.; lb., \$1.40.

A good Seeder is one of the most important farm garden tools. It "pays at both ends"; saves labor and seed in planting, it saves work and trouble in hoeing. It also makes a more even and therefore larger crop. Planet Jr.'s are the best. See pages 74 and 75.



Portland Seed Co. Van Buren, Wash
Gentlemen:—Enclosed please find order for \$2.25 for seed. From the pound of Onion Seed obtained from you last year, I grew 125 sacks. There was not a scullion or an off-colored onion in the whole patch.

Yours truly, W. A. PERRY.



EXTRA EARLY RED FLAT.

Market Gardeners and those who buy Onion Seed in large quantities should write us for special prices.

Onions—Continued

Prizetaker—The Genuine

THE HANDSOMEST AND LARGEST YELLOW GLOBE ONION.

A new variety introduced but a few years ago which has proved to be an excellent keeper, of fine flavor, handsome shape and enormous size. A perfect globe shape, with a bright straw colored skin; the necks are very small and the onions always ripen up hard.

Pkt., 5c.; oz., 20c.; ¼ lb., 45c.; lb., \$1.40.



PRIZETAKER.

WHITE PORTUGAL, OR SILVER SKIN.

A good variety for family use; skin and flesh pure white; mild flavor and flat shape. The best white Onion; also grown largely for sets.

Pkt., 5c.; oz., 20c.; ¼ lb., 60c.; lb., \$1.75.



SMALL QUEEN.

WELL KNOWN, POPULAR SORTS.

	Pkt.	oz.	¼ lb.	lb.
Extra Early Barletto. A small, pure white, mild onion; fine for pickles	5c.	20c.	60c.	\$2.00
Early Large Red Globe. A large, early, rapid growing kind; flesh, white, mild and unusually sweet	5c.	15c.	40c.	\$1.40
White Globe. Flesh, very white, fine, rich and sweet; fine keeper	5c.	25c.	70c.	\$2.00
Giant Rocca. Very large, globe shaped; skin, reddish brown; flesh, very mild and sweet flavored	5c.	20c.	60c.	\$1.75
Mammoth Silver King. Very large and attractive; skin, white; flesh, fine grained and mild	5c.	20c.	60c.	\$2.00
Queen. If sown thick, produces small, very firm bulbs, the best of all for pickling; if given more room, matures an excellent onion that will keep all winter	5c.	20c.	60c.	\$2.00

25c WORTH OF SEEDS FREE

with every \$1.00 sent for Seeds in packets and ounces. See inside front cover.

Remember, in packets and ounces only.

Okra or Gumbo

IMPROVED DWARF GREEN.

Very early, with long, green, slender pods.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

WHITE VELVET.

The pods are smooth or very slightly ribbed, large, remain tender a long time.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 65c.

Onion Sets

BOTTOM ONION SETS.

Are grown from seed that has been sown too thick to attain a large size. The small onions thus obtained are planted out, and are ready in a short time to pull as green onions for the table or bunched for the market. If left to stand they make ripe onions of the best quality, and come to maturity some six weeks earlier than a crop grown direct from the seed. Yellow sets are most in demand, but Red and White are used to some extent. Sow forty to sixty pounds of black seed to the acre to raise sets. Per pound, 25c.

These prices are by mail, postpaid. Deduct 10c. per pound if ordering by freight.

TOP SETS.

Produced in clusters.

Lb., 25c.

SHALLOTS.

Valuable for bunching or for an early crop. The smallest sets make fine bulbs of good size, while the larger ones produce a cluster of small to medium-sized bulbs. Light brown skin; mild, white flesh. It is the earliest, most vigorous in growth, and the easiest of all onions to cultivate from sets. Lb., 30c.



TRIPLE CURLED PARSLEY.

Parsley

Very useful for flavoring soups, meats, and for garnishing. The green leaves are used for flavoring, or they may be dried crisp, rubbed to a powder, and kept in bottles until needed.

FINE TRIPLE-CURLED, OR MYATT'S GARNISHING

A fine, free growing, but not large, variety. The plants bear a great number of leaves, which are so abundant and so finely curled that they resemble a bunch of moss.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

CHAMPION MOSS CURLED.

A compact growing, finely cut and much curled variety of a bright green color.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 65c.

TURNIP-ROOTED, OR HAMBURG.

The root, which resembles a small turnip, is the edible portion of this variety. Extensively grown and used for flavoring soups, etc.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c.

For Free Premiums, see Inside Front Cover.

Parsnips

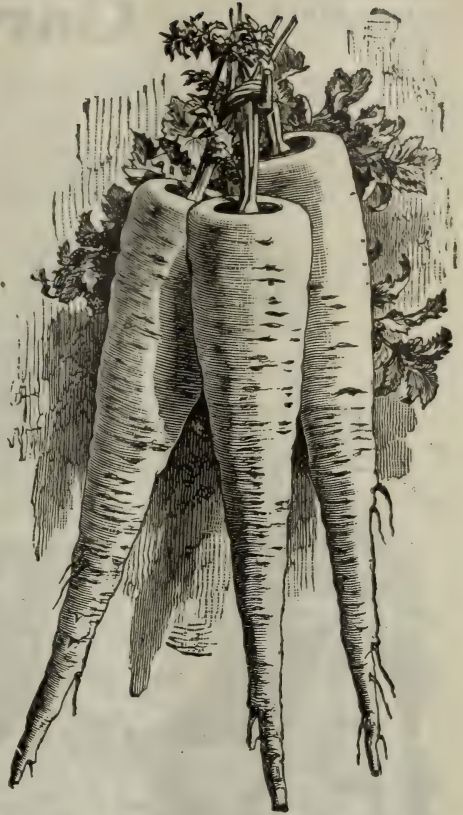
The Parsnip is nutritious and wholesome, with a sugary sweetness peculiar to itself, and is superior both for the table and for stock feeding. It yields a large crop, and is said to be more valuable for dairy cows than either the carrot or turnip. As the seed germinates very slowly, sow as early in spring as possible in drills fifteen inches apart, on deeply cultivated, rich, loamy soil. Keep clear of weeds, and thin to three or four inches apart. The roots are improved by freezing.

LONG WHITE DUTCH, OR SUGAR.

Root very long, white, smooth, tender, sugary, and of most excellent flavor. Very hardy; will keep through winter without protection. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

HOLLOW CROWN, OR GUERNSEY.

Root white, very tender, with a smooth, clear skin. The variety is easily distinguished by the leaves growing from a depression on the top or crown of the root. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.



HOLLOW CROWN.

Pumpkins

CULTURE.—Care should be taken to keep the different varieties apart, and also to keep them well separated from other vining plants, as they readily amalgamate and deteriorate.

WINTER LUXURY.

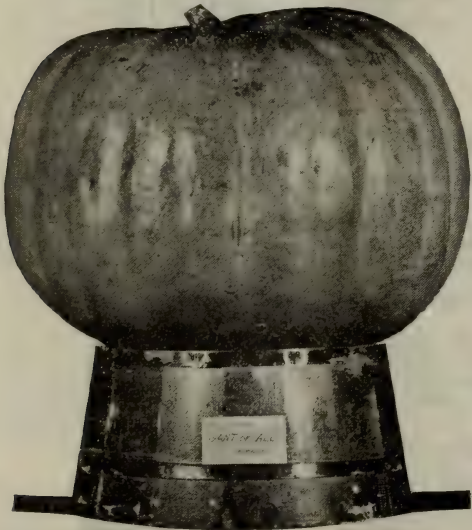
A superior pie pumpkin, small, but enormously productive and an excellent keeper; shape rounding oblong, about 10 inches in diameter; color golden-russet, finely netted; flesh deep golden, sweet and tender. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

LARGE YELLOW, OR CONNECTICUT FIELD.

A large, round variety, sometimes depressed at the ends; rind of a deep, glossy yellow. Vines vigorous and very productive. If protected, will keep well till midwinter. Grown extensively for stock feeding. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 40c.

MAMMOTH TOURS.

A productive, French variety which grows to an enormous size. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.



GIANT OF ALL.

This cut is a correct reproduction from photograph of one of our "Giant of All" Pumpkins. You will note that the pumpkin is over twice the size of a tub.

Giant of All

A new imported variety and a giant among the Mammoths.

This colossal Pumpkin is almost a globe in shape. The skin is of a beautiful, rich golden yellow; flesh firm, fine grained and deep yellow, sweet flavored, very thick and of excellent quality for so mammoth a variety.

These Pumpkins attain an enormous size and will carry away the prizes at your County Fairs.

Large Pkt., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 60c.

NOTE.—To raise the largest Pumpkins, the vines should have ample room, and only the best fruit allowed to remain on the vine.

LARGE SWEET CHEESE.

A most popular variety. Fruit flattened; skin mottled light green and yellow, changing to rich cream color as it matures. Flesh yellow, thick, tender; very nutritious and of excellent quality; a most productive variety.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

SWEET, OR SUGAR.

A handsome and productive small Pumpkin, 10 to 12 inches in diameter; round-flattened, skin orange; flesh deep yellow, fine grained and very sweet.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

TENNESSEE SWEET POTATO.

Pear-shaped; flesh thick, cream white, fine grained, and of excellent flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.00.

Seed Potatoes

You will find Seed Potatoes described and priced on page 56-57. This year we offer a new, early, white potato of great merit. Be sure you look over our list before you send in your order.

Select Stock

Garden Peas

Select Stock

Market Gardeners should send list of peas wanted for special prices.

We pay postage on Peas in 10c. packets only. If ordering by mail in larger quantities, add 10c. per pound for postage.

Alaska

or Earliest of All

Earliest and best of all the blue, smooth varieties. A smooth, blue pea, which in evenness of growth of vine and early maturity of the pods is unequaled by any other extra early pea. Vines 2 to 2½ feet high, unbranched, bearing 4 to 7 long pods, which are filled with medium-sized, bright green peas of excellent flavor. A great favorite with our market gardeners for fall and early spring planting.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.20.

First and Best

Unsurpassed for early and even ripening. One of the best for market gardeners, as the whole crop ripens within a few days, so that the ground may be cleared and another crop planted. About forty-five days is the average from planting until the whole crop is ready for market.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.00.

McLean's Little Gem

A sweet, wrinkled pea, coming in a little later than the American Wonder; grows taller and continues in bearing longer. The quality of the pea is very superior. Height, 15 inches.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.

Field Peas
on page 53.

Seed Potatoes

Get a new start this year by buying some of our select seed. See cuts and descriptions, pages 56 and 57.

BLUE PETER.

Grows about nine inches high; extremely early; pods good length and well filled. The ripe peas are blue, smooth, round, fair size.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.20.

ALASKA.

Nott's Excelsior

The best, early dwarf pea. It combines to a wonderful degree the good qualities of the American Wonder and Premium Gem Peas. The vines are larger and more productive than American Wonder and earlier than Premium Gem. The peas, in sweetness and quality, are unsurpassed. The most desirable sort for the market gardener and unexcelled for the home garden. Very hardy. It outyields them 20 to 30 per cent. The pods are one-third longer, and each pod contains from 6 to 9 large peas, which are usually fine flavored and tender.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.60.

McLean's Advancer

Favorite with Cannery Men.

A green, wrinkled sort, bearing fine, broad pods. Comes in next after the Gem. Popular market kind, and used extensively by canners. Height, two and a half feet.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.15.

American Wonder

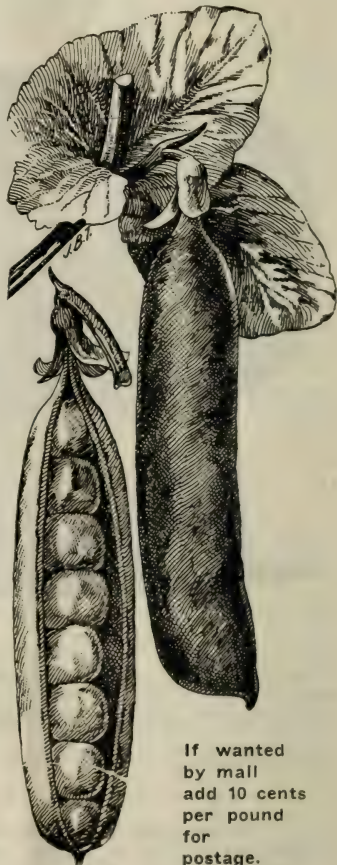
The earliest and best of the wrinkled sorts. A great favorite for family use. Has stout, branching vines, about nine inches high, and covered with well filled pods containing seven or eight large, exceedingly sweet, tender and well flavored peas. Dry peas, medium size, much wrinkled and flattened, pale green.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.60.

PREMIUM GEM.

One of the earliest, dwarf, green, wrinkled varieties. Similar to Little Gem.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.50.



If wanted
by mail
add 10 cents
per pound
for
postage.

NOTT'S EXCELSIOR.

Peas—Continued**OUR SEEDS**

Not only grow, but produce fruits of superior quality.

Gradus

This extra early, wrinkled Pea bears pods of large size, and combines quality with earliness. It is very hardy; can be planted fully as early as the smooth peas; grows vigorous and healthy; vines $2\frac{1}{2}$ feet in height; very prolific. The quality and flavor are delicious, and the peas remain tender and sweet for a long time.

Pkt., 10c.; lb., 20c.; 10 lbs., \$1.60.

Telephone

Produces those handsome, long pods. A great favorite with our market gardeners.

Immensely productive, of the finest quality and excellent, sugary flavor; vines very strong; the pods are of large size, filled with large, delicious peas; height, 4 feet.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.25.

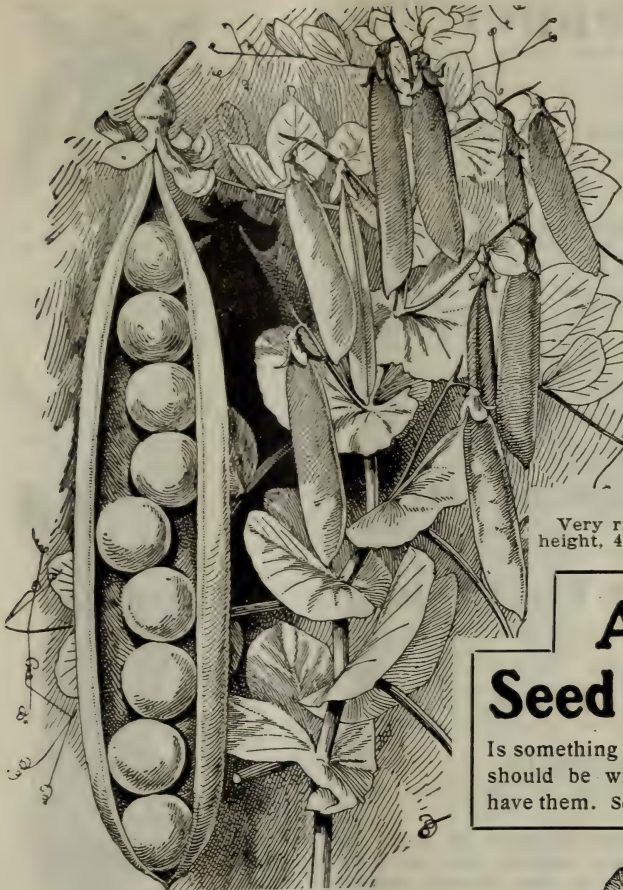
CHAMPION OF ENGLAND.

Very rich and fine flavored; very productive; wrinkled; height, 4 to 5 feet.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.20.

A Seed Drill

Is something no gardener should be without. We have them. See pages 74-75



VEITCHE'S PERFECTION.

Veitche's Perfection

This superb, wrinkled pea is one of the great leaders. There is probably no better late variety now under general cultivation. It attains a height of about $2\frac{1}{2}$ feet, and is esteemed for good quality and productiveness. The pods are long, handsome and wonderfully well filled, and are produced in great abundance. The peas are of unusually large size and delicious flavor; eight to ten to the pod. Cannot be overpraised as a standard medium or late sort for the table, for canning or for market purposes.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.20.

Improved Strategem

One of the best of the large, podded peas; the pods are of immense size, filled with large, dark green, wrinkled peas of the finest quality; vine medium height, but very stocky with very broad, light green leaves, and bearing an abundance of large, handsome pods.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.25.

Yorkshire Hero

One of the largest, sweet, wrinkled kinds; vines strong and spreading; pods of good size and well filled; much in use, and has enjoyed a long popularity; medium late; bears a long time; height two and a half feet.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.20.

BLACK-EYED MARROWFAT.

A good marrowfat pea; yields heavily; height, three feet.

Pkt., 10c.; lb., 15c.; 10 lbs., \$1.00.

Melting Sugar

The kind that have sweet, broad pods, and are used the same way as snap or string beans.

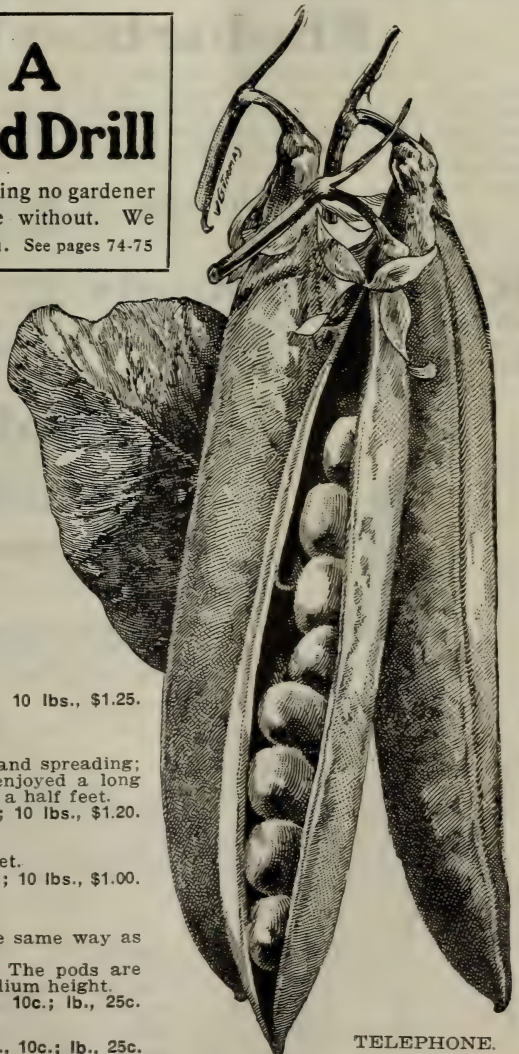
This is the most popular of the edible podded kinds. The pods are large, straight, very tender and finely flavored. Vines medium height.

Pkt., 10c.; lb., 25c.

GIANT SUGAR (Gray Seeded).

Taller and larger than the above kind.

Pkt., 10c.; lb., 25c.



TELEPHONE.

Gardeners who buy Peas in quantity should send list of amount wanted for special prices.



RUBY KING.

Sow the seeds early in hotbeds; or later, when the weather becomes warm, in open beds. When two or three inches high transplant to a warm, mellow soil, in rows, eighteen inches apart and a foot apart in the row. Guano and hen manure are excellent fertilizers, and will greatly increase the yield.

RUBY KING.

An improved American sort, reaching the largest size, yet retaining the symmetrical shape of the smaller kinds. It is very bright colored, beautiful, sweet and mild flavored.

LARGE BELL, OR BULL NOSE.

A large, mild, thick fleshed variety. One of the best for stuffed pickles.

GOLDEN DAWN.

Bright golden yellow. Very productive. Entirely free from fiery flavor.

Pkt., 5c.; oz., 25c.; ¼ lb., 75c.

SWEET SPANISH, OR MOUNTAIN.

Similar to the Large Bell, but usually larger. Excellent for pickling and stuffing.

Pkt., 5c.; oz., 25c.; ¼ lb., 75c.

Pepper



CAYENNE.

Pkt., 5c.; oz., 25c.; ¼ lb., 75c.

CAYENNE.

Brilliant coral red pods, three or four inches long, and a prolific bearer. Very pungent and used very largely with pickles when green.

Pkt., 5c.; oz., 20c.; ¼ lb., 70c.

CHILL.

Produces small, pointed pods that are a brilliant scarlet, and very pungent when ripe. Used largely in the manufacture of pepper sauce.

Pkt., 5c.; oz., 25c.; ¼ lb., 75c.

For Pepper Plants, see page 71.

SEED POTATOES

See Field Seeds, pages 56-57.

DWARF ESSEX RAPE

See Field Seeds, page 58.

Rhubarb, or Pie Plant

CULTURE.—Rhubarb succeeds best in deep, rich, somewhat retentive soil. The richer its condition and the deeper it is stirred the better. Sow in drills an inch deep, and thin out the plants to six inches apart. In the fall transplant the young plants into very highly manured and deeply stirred soil, setting them four to six feet apart each way, and give a dressing of coarse manure each spring. The stalks should not be plucked until the second year, and the plant never allowed to exhaust itself by running to seed.

VICTORIA, OR MAMMOTH.

Very large; finest cooking variety.

Pkt., 5c.; oz., 15c.; ¼ lb., 45c.; 1 lb., \$1.50.

Rhubarb Roots

From October to June we can always supply one or two-year-old Rhubarb Roots. Customers wanting only a few dozen roots for home gardens will save much valuable time by ordering roots instead of seed. For Prices, see page 71.



RHUBARB.

Radishes

To secure radishes with crisp, tender flesh grow them quickly in rich, loose soil, and gather before reaching full size. Our radish seed is strictly of the finest grade, being grown from carefully selected roots.

Three Excellent New Radishes**Early Snowball**

A grand improvement on the White Box or White Turnip Radish which has been so popular for several years. It is the most handsome in shape, very early and has but few leaves. It is of clear white color, solid, juicy, crisp, tender and unsurpassed in flavor. A good sort for forcing.

Pkt., 10c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.00.

Early Crimson Giant

The Largest Early Scarlet Turnip-shaped Radish.

A new, early Radish, double the size of any of the early turnip-shaped type, but notwithstanding its immense size, does not get hollow and pithy. The flesh is a sparkling white, solid, crisp and juicy and of the mildest flavor. The shape of the bulbs vary from round to almost oval, but the bright, deep crimson color of the skin remains quite constant. Excellent for both forcing and open ground.

Pkt., 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.50.

White Icicle

This superb, new radish is the finest and longest of the very early, pure white varieties. Planted in the spring, the young radishes are ready for use in twenty to twenty-five days; their long, slender form and pure paper-white skin are most attractive when bunched for market. This radish is not only crisp and tender when young, but also retains these qualities until the roots attain large size. It is ready for use almost as quickly as the Early Turnip-shaped sorts, and is excellently adapted for forcing purposes or successive sowing in the open ground, and gives a continuous supply of tender, crisp radishes for the table or market throughout the season.

Pkt., 10c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.00.



WHITE ICICLE.

Radishes—Continued

One
Packet
each of
our three
New
Radishes
for 20c.

See
opposite
page

Radishes

- No. 1. Early Long Scarlet.
No. 2. Lady Finger.
No. 3. Long Scarlet. White Tip.
No. 4. Chartier.
No. 5. French Breakfast.
No. 6. Half Long Scarlet.
No. 7. Early Scarlet Turnip W. T.
No. 8. White Turnip Rooted.
No. 9. Early Scarlet. Turnip Rooted.

EARLY LONG SCARLET, SHORT TOP.

This bright scarlet, small topped sort is uniformly straight, smooth, brittle and crisp, and is a standard and excellent sort for private gardens or market use.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

LONG BRIGHTEST SCARLET, WHITE TIPPED.

This is the brightest and handsomest colored Scarlet Radish known. The lower one-third of the root is snow-white; very attractive. It is extra early and the flesh is very tender. Valuable for forcing or open ground.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 65c.

EARLY SCARLET TURNIP ROOTED.

A small, round, red, turnip-shaped Radish, with small top and of very quick growth; very early; rich color, and crisp, tender flesh.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

EARLY SCARLET TURNIP, WHITE TIPPED.

A beautiful variety, deep scarlet with white tip, and is becoming very popular as a market sort. Very early. Has a small top, and may be planted close. It is very attractive in appearance. Flesh crisp, tender and sweet. Cannot fail to give satisfaction as a forcing Radish.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

EARLY WHITE GIANT STUTTGART.

Root large, often four inches in diameter, top-shaped. Skin white; flesh white and crisp, and not becoming strong or pithy until very late.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

HALF-LONG, DEEP SCARLET.

A handsome variety, resembling somewhat the Olive-shaped, but of a deeper scarlet. Good for forcing.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 70c.

LADY FINGER, OR WHITE VIENNA.

Of rapid growth and beautiful shape. Skin and flesh snow white; very juicy, firm, crisp and tender; the finest of Long White Radishes.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 70c.

IMPROVED CHARTIER.

Roots long, tapering and attaining a very large size. Of rapid growth; remains crisp and tender till fully grown. Color, scarlet above, shading into white at the tip. Flesh white and mild flavored.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

FRENCH BREAKFAST, OR HALF LONG.

Medium size, of quick growth, crisp and tender; lower end and taproot white.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

WHITE STRASBURG.

One of the best of the large summer sorts. It covers a long season, as it is good when quite small. The roots are long, very white, crisp and tender.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 70c.

EARLY WHITE TURNIP.

Similar to Scarlet Turnip, except in color.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

CALIFORNIA MAMMOTH WHITE CHINA.

This is the largest of all Radishes. Roots grow 10 to 12 inches long, and are solid, tender and crisp. Keeps well through the winter.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 70c.

CHINA ROSE WINTER.

One of the best fall and winter varieties; a favorite with market gardeners; bright rose color; flesh white, firm and of superior quality.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

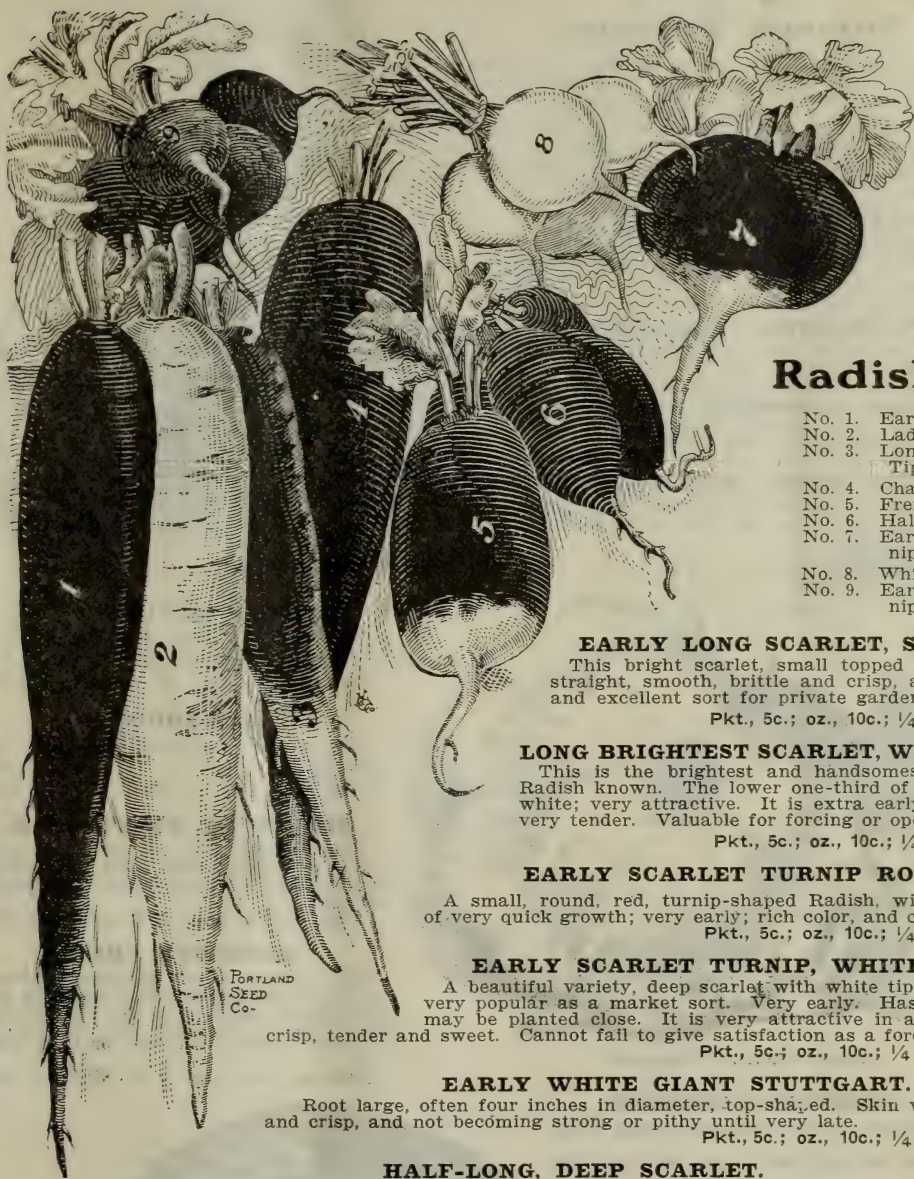
LONG BLACK SPANISH.

A long, black-skinned variety; flesh white and slightly pungent. One of the latest and hardest.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

ROUND BLACK SPANISH.

Skin black; roots globe shaped; white fleshed and pungent flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.



Squash

Summer Varieties

CULTURE.—The plants are very tender and sensitive to cold, and planting must be delayed until settled warm weather. The general principles of culture are the same as those given for cucumbers and melons, but squash is less particular as to soil. The summer varieties should be planted four to six feet apart each way, and the winter sorts eight to ten. Three plants are sufficient to a hill. In gathering the winter sorts, care should be taken not to bruise or break the stem from the squash, as the slightest injury will increase the liability to decay.

MAMMOTH SUMMER CROOKNECK.

An early prolific kind, having a solid, curved neck; the skin is yellow, thin, hard, and very warty; flesh tender and of good quality. Twice as large as the ordinary Crookneck and several days earlier.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

WHITE SUMMER CROOKNECK.

The fruit is similar in size and shape to the Summer Crookneck, but of a beautiful, ivory white color and unsurpassed quality.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

EARLY YELLOW MAMMOTH BUSH SCALLOP.

An early, flat, scallop shaped variety; color yellow; flesh pale yellow and well flavored; very productive.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

MAMMOTH WHITE BUSH SCALLOP.

The best summer sort for the market; very productive and of good size.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.



MAMMOTH SUMMER CROOKNECK.

BOSTON MARROW.

Skin yellowish, very thin; flesh dry and fine grained; of unsurpassed flavor.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 70c.

FORDHOOK.

One of the best winter Squashes; fine quality.

Pkt., 5c.; 1 oz., 15c.; $\frac{1}{4}$ lb., 40c.; 1 lb., \$1.25.

SIBLEY, OR PIKE'S PEAK.

Shell smooth, thin and of a pale green color; the flesh is thick, solid, deep orange color, very dry, fine grained and delicate flavor.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

MAMMOTH CHILI.

The largest of all Squashes, growing to an enormous size, often weighing over 200 pounds, while its rich, fine-flavored flesh insures its value for all purposes. Its size makes it valuable for stock feeding.

Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.



BUSH SCALLOP SQUASH.

ENGLISH VEGETABLE MARROW.

White flesh; outside yellow, grows about nine inches long; ribbed.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

True Hubbard

The best seller and most popular variety on our list. Rind dark green, warty and very hard. Flesh light orange, very dry, sweet and rich flavored. Has no superior for winter use, as it keeps perfectly through the winter.

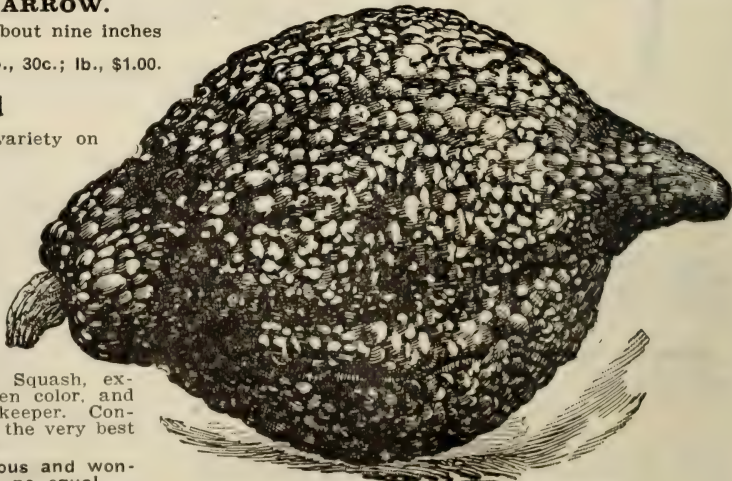
Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Golden Hubbard

The same in size, shape and quality as the well-known Hubbard Squash, except that it is a bright red or golden color, and somewhat earlier. It is also a long keeper. Considered by expert judges to be one of the very best fall and winter sorts yet introduced.

Matures before the frosts; is vigorous and wonderfully productive. In flavor it has no equal.

Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.



TRUE HUBBARD SQUASH.

Spinach

This is an important gardeners' crop, of easy culture. For spring and summer use, sow either broadcast or in drills one foot apart and one inch deep, as early as the ground can be worked and every two weeks for a succession.

BLOODSDALE.

A very early variety. Is hardy and may be planted for early spring use.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

IMPROVED THICK LEAVED.

A variety which grows very rapidly, forming a cluster of large, very thick, slightly savoyed leaves of fine color and quality when cooked. Especially recommended for market gardeners.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

LONG STANDING.

An improved variety, slow going to seed, and perhaps the best for general use.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; 1 lb., 40c.

MONSTROUS VIROFLAY.

This variety produces the largest leaves of any, yielding an enormous crop. Excellent for the family or market garden.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

Gardeners get special prices.

VICTORIA.

This is a very large variety. Leaves large, tender and of good quality; produces large crop; good market sort.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 40c.



SPINACH.

PRICKLY WINTER.

The hardest kind, and may be sown in the fall, requiring protection only during the most severe frosts. The seed is prickly, the leaves rather long and pointed, but thick and succulent.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

SAVOY LEAVED.

A very early variety of upright growth and pointed leaves, which are crinkled like Savoy Cabbage. Grows quickly. Plant in autumn for early spring use.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 40c.



SALSIFY.

Salsify or Vegetable Oyster

Salsify is a nutritious and wholesome vegetable, having the appearance of a small parsnip; in flavor closely resembling oysters, for which it is, in that respect, a good substitute. It is rapidly coming into more general use. Sow early in spring, in drills a foot apart, and when two or three inches high thin out to three or four inches. Its general culture is the same as that recommended for carrots. The roots are perfectly hardy and may remain in the ground during winter, or may be stored in dry earth or sand.

MAMMOTH SANDWICH ISLAND.

The leading variety; produces a large crop of straight, smooth roots.

Pkt., 5c.; oz., 15c.; 2 oz., 25c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

LARGE WHITE.

An early kind; tender and excellent.

Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.10.

Sunflower

See Flower Seeds; also Field Seeds, page 58.

Sugar-Cane

See Field Seeds, page 58.

Tobacco

Sow the seed thinly in beds, as early as they can well be prepared, transplanting when six inches high to rows four feet apart each way. Cultivate thoroughly.

We can furnish Tobacco Plants in season. See Vegetable List, page 71.

CONNECTICUT SEED LEAF.

Hardy, and the best adapted to cool localities, and for general use.

Pkt., 5c.; oz., 20c.; 2 oz., 35c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

HAVANA.

Of fine texture and delicate flavor.

Pkt., 5c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.00.

Tomatoes

CULTURE.—Sow early, in hotbeds, and as soon as they have four leaves transplant into shallow boxes. Harden off, and set out as soon as danger of frost is past.

TOMATO CULTURE.—This book is worth \$1.00 to any one who wishes to be successful growing Tomatoes on this Coast. WE GIVE YOU ONE FREE. See premiums inside front cover.

Atlantic Prize

In point of earliness this undoubtedly takes the lead. In size, shape and color it compares favorably with later sorts. Color, bright red.

Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 70c.

Quarter Century

A grand, new, dwarf tomato. The fruit is large and heavy and superior in flavor; color, deep red. Fine for home or garden.

Pkt., 5c.; oz., 40c.; $\frac{1}{4}$ lb., \$1.25.

Early Michigan

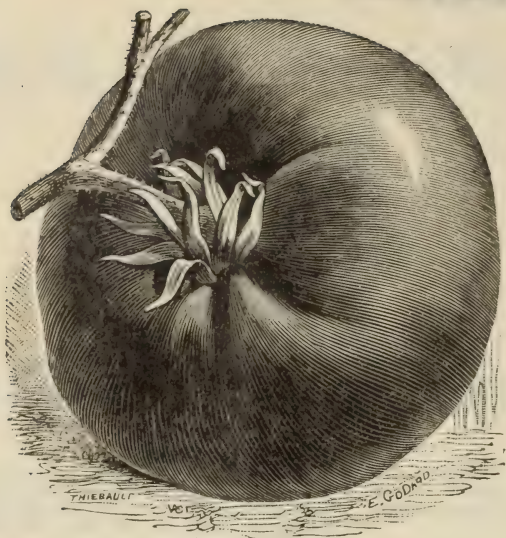
An extremely smooth and perfectly shaped Tomato; very early vines strong and vigorous.

Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 70c.

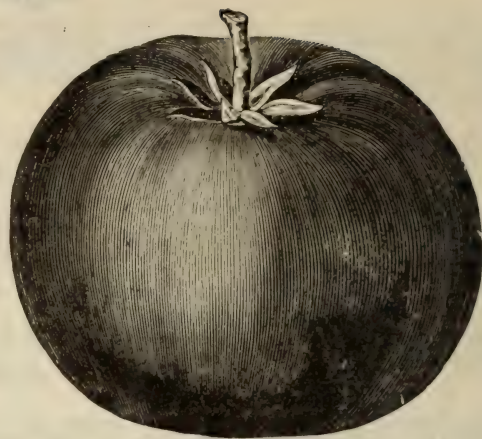


NEW QUARTER CENTURY.

Tomatoes—Continued



NEW STONE.



FORDHOOK'S FIRST.

Portland Seed Co.

All seeds are at hand. I am well pleased with them. Those planted in hot bed or open ground are growing well. Wishing you deserved success, I am,

J. J. CLARK, Woodburn, Oregon.

Spark's Earliana

The Earliest, Large, Smooth Tomato.

The most perfect of all tomatoes. Of large, uniform size and beautiful red color. Quality almost beyond praise. Ripens thoroughly all over, the stem-end coloring up perfectly. Almost seedless and very solid. A most vigorous grower and heavy bearer, continuing until frost. Succeeds everywhere and especially recommended for this Coast.

The above claims may seem strong, but they have been abundantly proved by thousands of planters who have grown this grand tomato, since its introduction three years ago.

Spark's Earliana is as near seedless as any tomato, giving but 12 to 15 pounds of seed to the acre, while other varieties yield from 75 to 100 pounds per acre. For this reason the genuine seed can never be sold at a low price.

Pkt., 15c.; oz., 65c.; 1/4 lb., \$2.00.

New Stone

The Greatest Canning Tomato in the World.

This variety has obtained great popularity with canners, growers and market gardeners everywhere. Its solidity and carrying qualities are remarkable. Its color a desirable red. In shape, perfectly smooth and thicker from stem to blossom end than most varieties, making it very handsome and salable. Nobody finds any fault with this variety, but all speak in highest terms of its beautiful color, its wonderful yielding properties, its unequalled firmness, or some other of its good points.

Pkt., 5c.; oz., 20c.; 1/4 lb., 70c.

Fordhook First

A splendid variety, especially adapted for cool, moist or heavy soils. Plants of strong, running growth; fruit, three inches in diameter, perfectly smooth and free from cracks; quite thick through and richly colored deep purple. Very fleshy and of the finest flavor. Produces smooth, solid, handsome fruit of superior quality, earlier than most other early sorts.

Pkt., 5c.; oz., 20c.; 1/4 lb., 75c.

LIVINGSTON'S PERFECTION.

One of the best; medium early; round, uniformly smooth; vines very productive; fruit deep scarlet, firm, and of excellent quality. Vines continue long in bearing.

Pkt., 5c.; oz., 20c.; 1/4 lb., 70c.

NEW MAGNUS.

Fruit very smooth, dark red, heavy and solid. Ripens very early and does not crack. No hard core; quality unsurpassed; a strong, vigorous grower and heavy cropper.

Pkt., 5c.; oz., 30c.; 1/4 lb., 90c.



SPARK'S EARLIANA.

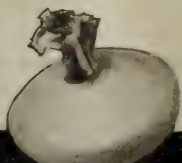
Tomato Plants

We have, in season, strong, hardy plants. See price list of Vegetable Plants, page 71.

WELL KNOWN STANDARD VARIETIES, POSTPAID, BY MAIL.

	Pkt.	Oz.	1/4 lb.
Acme. The well known, standard, bright pink Tomato	5c.	20c.	60c.
Dwarf Champion. Dwarf, upright growth; smooth, purple fruit	5c.	35c.	\$1.00
Golden Queen. This is a first-class large, smooth, pure yellow Tomato	5c.	25c.	75c.
Husk Tomato, or Ground Cherry. Used mostly for preserves	5c.	30c.	\$1.00
Livingston's Beauty. Large; a good quality; deep red in color	5c.	25c.	75c.
Livingston's Favorite. Excellent for general crop; bears heavy	5c.	20c.	75c.
Optimus. Second early, red, smooth and handsome	5c.	25c.	75c.
Red Pear, Yellow Plum, or Red Cherry. Small Tomatoes resembling the different fruits named	5c.	30c.	75c.
loyal Red. Intensely bright red in color, but not very solid	5c.	20c.	65c.
rophy. Very large, solid, and generally smooth; selected strain	5c.	20c.	65c.

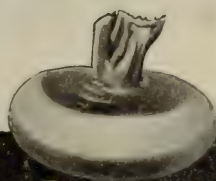
Turnips



WHITE FLAT DUTCH



ORANGE JELLY



PURPLE TOP STRAPLEAF



PURPLE TOP WHITE GLOBE

For early use, sow the small sorts as soon as the ground can be worked in the spring, in drills fourteen inches apart. As the seed is very fine, it should be covered but slightly, excepting in very dry weather. For fall and winter use the early kinds should be sown during July, August and September. Use from one to one and a half pounds of seed to the acre.

Extra Early Purple Top Milan

This variety is ready for the table sooner after planting than any other yet introduced. Top small, erect, strap-leaved; bulb a deep purple above, white underneath; flesh white, firm, and delicate.

Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

WHITE MILAN.

Same as above, but pure white; sweet and tender.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

White Egg

Is perfectly smooth, of a pure, clear white, growing half out of the ground, and at times to the size of a Ruta Baga, being a very choice kind for table use; of excellent flavor, sweet and mild. It pulls clean from the ground; thin, snow white skin.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

Early White Flat Dutch (Strap Leaved).

One of the best and most universally grown. Small, erect top, round, flat; purplish red above, white underneath; flesh firm, but very tender and sweet. Of quick growth, it is soon ready for the table and keeps well.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Early Purple Top (Strap Leaved).

A leading, white fleshed variety, and one of the best, either for the family, market garden or field crop. It is medium size, and produces a large crop. The flesh is firm, but tender, and of a superior rich, buttery flavor. A good keeper.

Pkt., 5c.; oz., 10c.; 2 oz., 15c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

POMERANIAN WHITE GLOBE.

One of the most productive kinds, and in good, rich soil roots will frequently grow to 12 pounds in weight. It is of perfect, globe shape; skin white and smooth; leaves dark green and of strong growth.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

PURPLE TOP WHITE GLOBE.

A large, globe-shaped variety; purple above ground. It is handsome and of excellent quality, and recommended both for the family garden and field crop.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Orange Jelley

OR ROBERTSON'S GOLDEN BALL.

Undoubtedly one of the most delicate and sweetest yellow fleshed turnips yet introduced. Not of large size, but firm, hard and most excellent flavor. Keeps well and is superior as a table variety. It is extensively used.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

PURPLE TOP MILAN.

LARGE WHITE FLAT NORFOLK.

A round, flat, white variety, usually attaining a very large size. Extensively grown for stock feeding. The leaves are also used for greens. It is hardy, and may remain in the ground all winter. Yields a very large crop.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

COWHORN.

Sometimes called Long White. Slightly crooked. Pure white except a little shade of green at the top. Grows half out of the ground and is of very rapid growth. Is delicate and well flavored. Has proved itself one of the best stock turnips ever introduced in Oregon, as it is on immense yielder.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

LARGE AMBER GLOBE.

One of the best for general crop; flesh firm and sweet; grows to a large size, excellent for table use or for feeding stock. Keeps well till late in the spring.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

PURPLE TOP YELLOW ABERDEEN.

Round, medium size; light yellow, stained with purple on top. Produces a large crop; is hardy and keeps well; flesh very firm, but tender and sweet. A great favorite with the dairymen.

Pkt., 5c.; oz., 10c.; 2 oz., 15c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Ruta Bagas on next page

25 Cents

WORTH OF SEEDS EXTRA
Will be allowed on each ONE DOLLAR
sent for Seeds in PACKETS and OUNCES

Thus, anyone sending \$1.00 to us, can select Seeds in PACKETS AND OUNCES to the value of \$1.25; for \$2.00, Seeds in PACKETS and OUNCES to the value of \$2.50; for \$3.00, Seeds in PACKETS and OUNCES to the value of \$3.75. See inside front cover. This offer applies on SEEDS ONLY, NOT PLANTS.

Ruta Bagas, or Swedes

If ordered
by freight or
express,
deduct 10c.
per lb.

For feeding stock in fall and winter there is nothing superior to Turnips and Ruta Bagas, as they are much liked by all kinds of stock and serve to keep them in good condition. We cannot too earnestly recommend farmers to increase their sowings largely, for we are sure the crop will prove remunerative.

MONARCH, OR TANKARD.

This is a yellow fleshed sort, having very large, tankard-shaped roots; flesh very solid, fine grained, of fine flavor; grows well out of the ground and yields large crops.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

SKIRVING'S RUTA-BAGA.

Enormously productive; flesh yellow, solid and sweet. One of the best for field culture.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

WHITE SWEET RUSSIAN.

This variety is most excellent, either for table or stock. It grows to a very large size; flesh white, solid, of a firm texture, sweet and rich; an excellent keeper.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

IMPROVED AMERICAN PURPLE TOP.

The leading standard variety, being very distinct in type, attaining a wonderfully large size; immense yielder. The flesh is very firm, superior in every way, valuable alike for all purposes.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

PURPLE TOP RUTA BAGA.

Tree Seeds

NURSERY MEN:—

We offer only Fresh, New Crop Seeds. Growers wanting large quantities should give us their orders early. Quantity price on request.

Single Pound Prices are by Mail, Post-paid.

APPLE SEED.

French Crab.

1 oz., 10c.; ¼ lb., 30c.; lb., 75c.

CHERRY PITS. MAZARD.

(Cerasus.)

1 oz., 10c.; ¼ lb., 15c.; 1 lb., 40c.

CHERRY PITS. MAHALEB.

1 oz., 10c.; ¼ lb., 25c.; 1 lb., 85c.

PEACH PITS.

For nursery stocks.

1 lb., 20c.; 100 lbs., \$2.25.

PEAR SEED.

(Pyrus Communis.)

The best imported for nursery stocks. 1 oz., 15c.; ¼ lb., 45c.; 1 lb., \$1.50.

PEAR SEED—Native.

1 oz., 20c.; ¼ lb., 50c.; 1 lb., \$2.50.

PLUM PITS.

(Prunus myrabolano.) For nursery stock.

1 oz., 10c.; ¼ lb., 25c.; 1 lb., 65c.

QUINCE SEED.

1 oz., 20c.; ¼ lb., 50c.; 1 lb., \$2.00.

BOX ELDER, OR ASH LEAF MAPLE.

(Acer negundo.)

1 oz., 10c.; ¼ lb., 25c.; 1 lb., 85c.

HORSE CHESTNUT, OR BUCKEYE.

1 lb., 35c.

LOCUST, YELLOW OR BLACK.

A tree of rapid growth. Sown in our Western states for timber. 1 oz., 10c.; ¼ lb., 20c.; 1 lb., 50c.

LOCUST, HONEY.

1 oz., 10c.; ¼ lb., 20c.; 1 lb., 60c.

Herb Seeds—Pot, Sweet and Medicinal

Herbs, in general, delight in rich, mellow soil. Those marked with a (*) are perennial, and when once obtained in the garden may, with a little attention, be preserved for years. Sow the seeds early in the spring in shallow drills, one foot apart. We offer some of the most useful and popular. They should be cut on a dry day, just before they come into full blossom, tied in bunches and hung up or spread thinly on a floor where they can dry quickly. Prices include postage.

ANISE. Seeds aromatic.

Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 85c.

BALM. For culinary purposes.

Pkt., 5c.; oz., 25c.; ¼ lb., 65c.

BASIL—SWEET. (Broad Leaved.)

Pkt., 5c.; oz., 15c.; ¼ lb., 45c.

BORAGE. Leaves used for flavoring.

Pkt., 5c.; oz., 15c.; ¼ lb., 40c.

*CARAWAY. Pkt., 5c.; oz., 15c.; ¼ lb., 25c.; lb., 80c.

CATNIP. (Cat Mint.)

Pkt., 5c.; oz., 35c.; ¼ lb., \$1.00.

CORIANDER. (Aromatic.)

Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 70c.

DILL. Used medicinally.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 65c.

*FENNEL. (Sweet.) Pkt., 5c.; oz., 10c.; ¼ lb., 25c.

FENUGREEK. Pkt., 5c.; oz., 10c.

*HOREHOUND. Bitter, for tonic. Pkt., 5c.; oz., 20c.

HYSSOP. Medicinal qualities.

Pkt., 5c.; oz., 25c.; ¼ lb., 75c.

*LAVENDER. For fragrance. Pkt., 5c.; oz., 20c.; ¼ lb., 50c.

*MARJORAM. Sweet. Pkt., 5c.; oz., 15c.; ¼ lb., 50c.

*ROSEMARY. Aromatic oil. Pkt., 5c.; oz., 30c.

*RUE. Medicinal qualities.

Pkt., 5c.; oz., 20c.; ¼ lb., 50c.

SAGE. Culinary herb; much used. Pkt., 5c.; oz., 20c.; ¼ lb., 45c.

SAFFRON. Pkt., 5c.; oz., 20c.

ORREL. (Large Leaved.) Cultivated for acidity; used in salads. Pkt., 5c.; oz., 20c.

SUMMER SAVORY. Culinary herb.

Pkt., 5c.; oz., 10c.; ¼ lb., 35c.

TANSY. Generally used in bitters.

Pkt., 5c.; oz., 30c.

THYME. (Broad Leaved.)

Pkt., 5c.; oz., 30c.

WORMWOOD. Medicinal use. Pkt., 5c.; oz., 20c.

Herb Seeds for Flavoring

ANISE.

Anise seed for flavoring.

¼ lb., 15c.; lb., 45c.

CARAWAY.

We keep constantly on hand a large stock of well preserved seed for the use of Druggists, Bakers and Confectioners.

¼ lb., 15c.; lb., 35c.; 100 lbs., market price.

CORIANDER.

Coriander seed for flavoring.

½ lb., 20c.; lb., 35c.; 100 lbs., market price.

DILL.

Dill seed for flavoring.

½ lb., 25c.; lb., 45c.

Used to flavor soups, stews and pickles. The leaves possess similar qualities, and can be used in the same manner as the seeds.

POPPY.

Seed used for flavoring.

½ lb., 25c.; lb., 35c.

Persons who use these Seeds in quantity should write for prices.

FLOWER SEED DEPARTMENT

CHOICE, NEW AND STANDARD VARIETIES.

ANNUALS bloom and ripen the first year, and then perish.

BIENNIALS do not generally flower the first year, and are in perfection only one year.

PERENNIALS continue to flower several years in succession.

Hardy Annuals, Biennials and Perennials can be sown in the open ground early in the spring, if desired, and Biennials and Perennials do not require any protection in winter.

Half Hardy Annuals, Biennials and Perennials should not be sown in open ground until settled, warm weather, though they can be sown in the house, if desired, early, and afterwards transplanted. The two latter need be protected in the winter, or carried over until spring in cold frames or greenhouses.



Alyssum.



Ageratum.



Agrostemma.



Arabis Alpina.

CULTURE.

Cultural directions are printed on the back of nearly all packets.

Flowers usually succeed best in a sandy loam, made rich with well rotted manure, which should be made fine and thoroughly mixed with the soil. A soil thus prepared will remain moist and loose, so that flower seeds, which are generally small and delicate, will germinate and grow with vigor.

A hotbed or cold frame is very convenient to start seeds in, as the temperature and moisture can be so regulated as to make their germination and rapid growth more certain. Most seeds do well if sown in boxes in a sunny window in the house.

Plants are usually ready to be transplanted when they have made a growth of two inches.

Many annuals in warm climates, or when taken in, or protected during winter, become perennial, with but short lives, however.

ACROCLINIUM.

(Everlasting Flower.)

Elegant, annual, everlasting, producing beautiful daisy-like flowers, resembling the Rhodanthe. Fine for winter bouquets. Gather when partially opened, and dry in the shade. Height, ten to fifteen inches.

Mixed. All colorsPkt., 5c.

AGERATUM.

Fine for bouquets and useful for beds, borders and pot plants. The flowers are graceful tufts of fine petals that remain fresh a long time after being cut. The plant blooms all summer. Half hardy annual; six to eighteen inches high. (See cut.)

Fine Mixed. All colorsPkt., 5c; ¼ oz., 15c.

Mexicanum. Light blue or white..Pkt., 10c; ¼ oz., 20c.

AGROSTEMMA.

Strikingly beautiful for beds, ribbons and borders. Its graceful, pink-like flowers remain fresh a long time after being cut, and are very handsome in bouquets. Thrives in any soil. (See cut.)

Coronaria. Rose Campion. PerennialPkt., 5c.

ALYSSUM.

Every garden should have plenty of Sweet Alyssum; its small, white flowers, borne in great profusion, are delicately fragrant and valuable for cutting; it is a good basket and pot plant, and valuable for carpet bedding. In the border sow thickly so as to make a mass. It is desirable to sow the seeds early in spring or even the previous autumn. Hardy annual. (See cut.)

Maritimum. SweetPkt., 5c; oz., 30c.

Maritimum. Little GemPkt., 5c; oz., 50c.

Saxatile. Perennial. Yellow flowers..Pkt., 5c; ½ oz., 30c.

AMARANTUS.

Our warm summers suit admirably the varieties of Amaranthus cultivated for ornament. These are plants which are striking on account of their foliage or peculiar mode of bloom.

Cruentus. Handsome, erect flowers.....Pkt., 5c.

Melancholicus Ruber. Dwarf; deep red foliage.. Pkt., 5c.

Caudatus. Graceful, drooping flowers.....Pkt., 5c.

Tricolor. (Joseph's Coat.) Foliage scarlet, yellow

and greenPkt., 5c.

AMMOBIUM.

One of the hardiest everlastings. The flowers are not large, but beautiful in form, and pure white; very desirable for winter bouquets. An easily grown annual.....Pkt., 5c.

ANEMONE CORONARIA.

Beautiful, spring flowers. Fine for cutting. Hardy perennial.

MixedPkt., 5c.

ARABIS (Rock Cress).

The earliest, prettiest, spring flower. The spreading tufts are covered with a sheet of pure white flowers as soon as the snow disappears. Unequalled for rockeries or edgings; withstands the drought and is always neat. (See cut.)

AlpinaPkt., 5c.

AURICULA. (Primula Auricula.)

Beautiful, spring-blooming flowers. Hardy perennial.

Fine Mixed.....Pkt., 15c.

Finest Mixed.....Pkt., 25c.

ASPARAGUS PLUMOSUS. (Asparagus Fern.)

One of the prettiest house plants. The leaves are bright green, gracefully arched, surpassing Maidenhair Ferns in grace, delicacy of texture and richness of color. (See Plant Dept.)

Pkt., 25c; 25 seeds, 50c.

ASPARAGUS SPRENGERI. (Also Called Emerald Feather.)

New. Perhaps the best new plant introduced in ten years. Feathery foliage; useful for bouquets, wreaths or sprays, remaining perfect for weeks after cutting; grows freely the whole year round. (See Plant Dept.) Pkt., 10c; 25 seeds, 25c.

We offer only the
choicest and best
Flower Seeds.



Simple's Branching Aster.

ASTERS.

Popular and well-known. As a fall-blooming annual it has no superior; produces a profusion of flowers of a great variety of rich colors and shades; of varied and beautiful form. The late flowers are usually the best, and to sustain the plant it should have rich soil and abundant moisture. Half hardy annual.

Chrysanthemum Flowered. Half dwarf; of compact growth; flowers large, abundant and later than many sorts. White, Scarlet, Lilac, Rose or Mixed. Pkt., 10c.; $\frac{1}{4}$ oz., 50c.

Giant Comet. One of the handsomest of the tall growing sorts; flowers large and beautiful; petals long and twisted. Yellow, Rose, Crimson, Light Blue, White or mixed. Pkt., 10c.; $\frac{1}{4}$ oz., 50c.

German Quilled. The well known, common, double, quilled aster. Mixed, all colors. Pkt., 5c.; $\frac{1}{4}$ oz., 25c.

Simple's Late Branching. A magnificent strain; flowers large, beautiful, double, and borne on long stems. (See cut.) White, Rose, Crimson, Blue or Mixed. Pkt., 10c.; $\frac{1}{4}$ oz., 35c.

Jewel. Plants eighteen inches high, producing abundantly on long stems, ball-shaped flowers; all colors. Mixed. Pkt., 10c.; $\frac{1}{4}$ oz., 50c.

Truffaut's Paeony Perfection. Very popular; flowers large, double, beautiful; petals curve inward. White, Crimson, Light Blue, Rose or Mixed. Pkt., 10c.; $\frac{1}{4}$ oz., 50c.

American. Late branching type; long petaled flowers. feathery in aspect.

Mixed. Pkt., 10c.; $\frac{1}{4}$ oz., 35c.

Improved Victoria. A magnificent class either for bedding or cutting; flowers large, beautifully imbricated and perfect in form.

Yellow, Crimson, Pink
White, Light Blue or
Mixed. Pkt., 10c.; $\frac{1}{4}$ oz., 50c.

Perennial Aster.
Mixed colors. Pkt., 10c.; $\frac{1}{4}$ oz., 75c.

BALSAM.

(Ladies' Slipper — Touch-Me-Not.)

Exceedingly attractive and handsome plants producing masses of various colored flowers. Half hardy annual. (See cut.)

Tall Double Camellia
Flowered. Mixed. Pkt., 5c.; $\frac{1}{8}$ oz., 25c.
Dwarf Double. Mixed. Pkt., 5c.; $\frac{1}{8}$ oz., 20c.

BALLOON VINE.

A rapid, graceful climber, with inflated seed pods; flowers white. Tender annual. Pkt., 5c.; oz., 25c.

BACHELOR'S BUTTON.

(Centaurea Cyanus.)

A hardy annual, easily cultivated. Has recently been greatly improved, and now produces handsome flowers of a great variety of rich colors. Borne on tall, branching stems, with but little foliage. Striking and handsome.

Cyanus. Fine single mixed. Pkt., 5c.; oz., 25c.

Cyanus. Fine double mixed. Pkt., 5c.; oz., 25c.

Cyanus. Alba, single white. Pkt., 5c.; oz., 35c.

Cyanus Asurea. Pkt., 5c.

BRIZA MAXIMA.

Handsome ornamental grass. Fine for winter bouquets. Pkt., 5c.

BRACHYCOME.

Swan River Daisy. A charming flower in white and blue varieties. The plants grow about twelve inches in height and bloom freely. They make elegant border plants. The flowers are fine for cutting, and the neat, slender foliage well adapted for bouquet making.

Choice Mixed. Pkt., 5c.

BEGONIAS.

Begonias are among the most beautiful of flowering plants, especially adapted to pot culture.

Single Mixed or Double Mixed. Pkt., 25c.

Rex. Ornamental leaved varieties; very handsome.

Mixed. Pkt., 25c.

See Begonia Plants, page 65.

CARNATIONS.

Universally admired, deliciously fragrant. Unsurpassed for richness and delicacy of form and color. (See cut.)

Extra Choice Double Mixed Pkt., 20c.; $\frac{1}{8}$ oz., 75c.

Fine Double. Mixed. Pkt., 10c.; $\frac{1}{8}$ oz., 35c.

Margaret. Mixed. Pkt., 10c.; $\frac{1}{8}$ oz., 30c.

Double White, Red or Rose Pkt., 10c.; $\frac{1}{8}$ oz., 75c.

Double Yellow. Pkt., 25c.; 1-16 oz., \$1.25

To grow strong, healthy
Plants, use our Plant Food.
See page 84.



Balsam.



Carnation



Candytuft.



Calliopsis.



Canna.



Calla Lily.

General directions for planting and culture of the different seeds will be found on the packets.

Handsome, free flowering annual. Covered all summer with bright, rich blue and white flowers. Worthy of more general cultivation. Eighteen inches high. Mixed Pkt., 5c.

CALLIOPSIS, OR COREOPSIS.

Very showy and attractive. Always covered with a mass of bright flowers. A fine cut flower. (See cut.)
 Choice Mixed Dwarf Annual.....Pkt., 5c.; 1/4 oz., 20c.
 Choice Mixed Double Annual.....Pkt., 10c.; 1/4 oz., 20c.
 Lanceolata. A perennial, blooming the first year; flowers rich yellow, single; very fine for cutting.....Pkt., 10c.; 1/4 oz., 35c.

CALCEOLARIA.

Very handsome and much admired. Produces a profusion of beautiful flowers of uniform form and colorings. Fine for pot culture. (See cut.)
 Hybrida. Finest MixedPkt., 50c.

CALLA.

Devoniensis. New. A fine calla that will bloom from seed in one year. (See cut.) For Calla Bulbs, see Plant Dept.....Pkt., 15c.; 25 seeds, 50c.

CANNA.

Ornamental, tropical looking plants of easy culture, large and beautiful flowers. Hardy perennial. (See cut.) For Canna Bulbs, see Plant Dept.
 Crozy's New Large Flowering Mixed.....Pkt., 10c.; oz., 35c.

CANARY BIRD FLOWER.

Climbing plant with graceful foliage and yellow blossoms. Half-hardy annual.....Pkt., 5c.; 1/4 oz., 15c.

CALENDULA.

The well-known Pot Marigold, valued by Europeans for flavoring soups and stews. Flowers are dried in fall and kept in paper bags for use. In mild climates this plant will bloom nearly all the year round. Seeds can be sown in early spring in open ground. MixedPkt., 5c.; 1/2 oz., 20c.

CASTOR BEAN (Ricinus).

Highly ornamental, of stately growth and having large leaves of bronze or glossy green; of very easy culture. (See cut.)

Sanguineus. Brilliant scarletPkt., 5c.; oz., 20c.
 Zanbiziariensis. Surpasses all in size and beauty of colors. MixedPkt., 10c.; oz., 20c.
 Barboniensis Arboreus. The largest varietyPkt., 5c.; oz., 30c. Mixed. Best varieties.Pkt., 5c.; oz., 10c.

CATCHFLY (Silene).

A hardy annual, yielding for a long time a profusion of umbels of bright colored flowers. The plant is covered with glutinous moisture, to which flies adhere; hence its name. Fine Mixed. All colorsPkt., 5c.; oz., 25c.

CANDYTUFT.

Candytufts have long been among the most highly prized of garden annuals. The best effect is produced by raising the plants in masses, and the seeds are sown where the plants are to bloom. (See cut.)

Odorata. Sweet scented. White.....Pkt., 5c.; oz., 20c.
 Carmine or PurplePkt., 5c.; 1/4 oz., 15c.
 Mixed. All colors.....Pkt., 5c.; oz., 20c.
 Sempervirens. Perennial. White.....Pkt., 10c.; 1/8 oz., 25c.

CANTERBURY BELLS.

Very ornamental garden plants of the easiest culture; hardy biennial, two and a half feet high, producing large, nodding and charming, bell-shaped flowers of many exquisite shades. (See cut.)

Campanula. Single. Blue, white, rose or mixed.....Pkt., 5c.; 1/4 oz., 20c.
 Campanula. Double. Blue, white, rose or mixed.....Pkt., 10c.; 1/4 oz., 50c.

CELOSIA. Cockscomb. (See cut.)

Graceful, free blooming, half-hardy annuals.
 Cristata. Finest varieties. MixedPkt., 5c.
 President Thiers. Dwarf, crimson combPkt., 10c.

CELOSIA, FEATHERED (See Cut.)

Plumosa. Mixed colors of great brilliancy.....Pkt., 10c.
 Ostrich Feathered. MixedPkt., 10c.
 Thompson's Superb Feathered. Mixed.....Pkt., 10c.

CENTAUREA.

Candidissima. This sort is prized for its handsome silver foliage. Half-hardy perennialPkt., 10c.; 1/8 oz., 25c.
 Odorata Chameleon. Flowers yellow and rose; fragrant; superbPkt., 10c.; 1/8 oz., 25c.
 Margaritae. Pure white, large and handsome, sweet scentedPkt., 10c.; 1/8 oz., 20c.

CHRYSANTHEMUM.

Very showy, effective and desirable as summer flowering plants. Hardy annuals.

Coronaria. Double or Single Mixed.....Pkt., 5c.
 Frutescens. (Marguerite, or Paris Daisy).....Pkt., 10c.
 Tricolor. Single. MixedPkt., 5c.



Canterbury Bells.



Castor Bean.



Celosia—Feathered.



Celosia—Cockscomb.



Cyclamen.



Cineraria.

CINERARIA.

Magnificent and indispensable flowering plants for the window garden. The flowers are of white, blue, violet and crimson shades, covering the plant with a sheet of bloom. (See cut.)

Hybrida. Mixed. Extra choice.....Pkt., 50c.

CLARKIA.

Handsome, free flowering annuals of easy cultivation. Produce a fine effect massed in beds. Flowers are very bright and attractive.

Double MixedPkt., 5c.

CLIANTHUS DAMPIERI.

A fine pot plant, bearing clusters of curiously shaped and very brilliant colored flowers, scarlet with black centers; tender perennial.....Pkt., 20c.



Mammoth Cosmos.
See cut of plant above.

COSMOS.

A strong grower, having elegant foliage, and for fall blooming has no superior. Seed sown in March or April and transplanted to open ground will produce plants three to five feet high by September, which thereafter, and until November, will yield hundreds of blossoms three inches across; they are of various shades, from pure white to purplish crimson. Both foliage and flowers are unsurpassed for bouquets and vases. Annual. (See cut.)

Clondyke. A novelty in Cosmos; blooms very early and continues until late fall; three to four feet high; flowers large, golden yellow and borne on long stems.....Pkt., 10c.; 1/4 oz., 50c.
Early Blooming. MixedPkt., 5c.; 1/2 oz., 25c.
Mammoth. White, Pink, Red, Yellow or Mixed.....Pkt., 10c.; 1/4 oz., 20c.

COLEUS.

Probably the best known and most popular of ornamental foliage plants. Leaves all shades and colors. Tender perennial.
Finest Hybrid Mixed.....Pkt., 25c.

COLUMBINE (Aquilegia).

Commonly known as the Honeysuckle. Produces handsome flowers of unique form and many bright and attractive colors. Hardy perennial. Mixed. Best Double or Single Varieties.Pkt., 5c.



Cosmos Klondyke.

CYCLAMEN. (See cut.)

Beautiful winter and spring flowering plants for the window and greenhouse. Not only are the flowers of striking beauty, but the foliage is also highly ornamental. The colors range through shades of pink, crimson, white, spotted, etc. Delicately fragrant.

Giganteum Hybridum. Mixed.....Pkt., 25c.

CYPRESS VINE (Ipomoea Quamoclit.)

A climber of rapid growth, having handsome fern-like foliage and a profusion of bright, attractive flowers. White, Scarlet or Mixed.....Pkt., 5c.; 1/4 oz., 15c.

DAHLIA.

A magnificent, fall-blooming bulbous-rooted plant, which can be readily started from seed.

For Dahlia Roots see Plant Dept.

Tall Double MixedPkt., 5c.

Dwarf Double MixedPkt., 10c.

Dwarf Single MixedPkt., 10c.

Cactus Odd and Fantastic MixedPkt., 10c.

Twentieth Century. New single Dahlias of recent introduction; flowers large and handsome.....Pkt., 10c.

DATURA.

Large, strong-growing plants, trumpet-shaped flowers, white, sometimes tinted with blue. Roots can be preserved in the cellar, like Dahlias.

Double MixedPkt., 5c.

DRACAENA.

Ornamental, greenhouse plant. Very desirable.
Draco. WhitePkt., 25c.
Indivisa Lineata. Narrow, dark foliage ... Pkt., 10c.

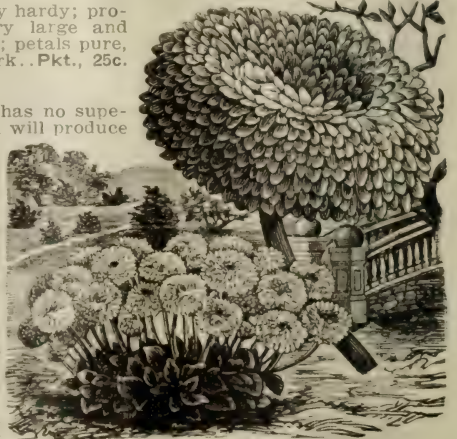
DAISY. (Bellis Perennis.)

A well known and popular, low-growing plant bearing beautiful flowers. Hardy perennial. (See cut.)

Longfellow. Double redPkt., 15c.; 1-16 oz., 40c.

Double White or MixedPkt., 15c.; 1-16 oz., 50c.

Purbank's New Shasta. Very hardy; profuse bloomer; flowers very large and borne on long stems; single; petals pure, glistening white; center dark..Pkt., 25c.



Daisy.

ESCHSCHOLTZIA.

(California Poppies.)

These are among our most beautiful and popular annuals, being of the easiest culture and giving great satisfaction. They commence to bloom within a few weeks time from spring-sown seed and continue to flower profusely until late in the autumn, forming nice bushy plants, 1 foot high. (See cut.)

Californica. Single Yellow, Carmine, White or Mixed Pkt., 5c.; oz., 35c.
 Californica. Double Mixed Pkt., 5c.; oz., 40c.
 Mandarin. Inner side of petals rich orange, outer side brilliant scarlet; very striking..... Pkt., 5c.; oz., 35c.
 For Other Sorts, See Poppies.

ECHINOCYSTIS LOBATA (Wild Cucumber).

A rapid growing climber. Very good for covering old fences or trellises. Hardy annual. Pkt., 10c.

EUPHORBIA.

Fine, ornamental, foliage plants. Hardy annual. Pkt., 5c.
 Variegata. Variegated foliage Pkt., 5c.



Fox Glove.

ERAGROSTIS (Love Grass).

Ornamental grass, having beautiful, dancing spikelets. Fine for bouquets. Hardy annual. Pkt., 5c.

COLLINSIA.

This is a free-flowering, hardy, annual. The flowers are in whorls, handsomely variegated in crimson, purple and white, and interesting.

Mixed Pkt., 5c.

COBÆA SCANDENS.

A handsome, rapid-growing, climbing plant, having large, bell-shaped flowers, beautiful foliage and peculiarly delicate and curious tendrils.

Purple Pkt., 10c.; ¼ oz., 35c.
 White Pkt., 10c.; ¼ oz., 25c.

Portland Seed Co. May 18, 1904.

The Carnation plants received from you were fine and are doing well. From seven I received from New York, I lost five. Thank you for the "Enchantress" you sent me.

Yours truly,

MRS. L. M. HORN,
 Wenatchee, Wash.

FORGET-ME-NOT.

(Myosotis.)

Beautiful, spring favorites, of easy growth, bearing clusters of lovely, small flowers. They are perennials and hardy enough to remain in the open ground excepting in very cold latitudes. Fine for borders. (See cut.)

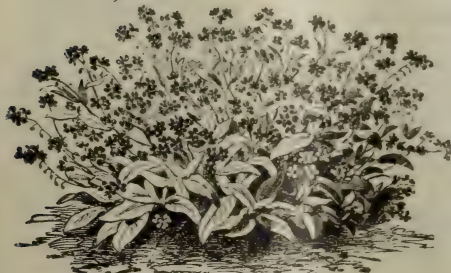
Alpestris. Of trailing habit, with pretty, blue flowers. Blue or Mixed..... Pkt., 10c.; ¼ oz., 25c.

Palustris. The true "Forget-me-not" Pkt., 10c.; ¼ oz., 25c.

Dissitiflora. Compact; profuse bloomer; fine blue; early Pkt., 10c.

Semperflorens. Dwarf; continuous bloomer; blue Pkt., 10c.

Victoria. Flowers large, bright azure-blue, fine for cut flowers..... Pkt., 10c.; ¼ oz., 25c.



Forget-Me-Not.



Gloxinia.

FOX GLOVE.

(Digitalis.)

A tall, growing biennial, with large leaves, and spikes of varicolored and spotted flowers. A magnificent plant. Fine for borders or background. Easily grown.

Fine Mixed.. Pkt., 5c.; ¼ oz., 15c.
 White Pkt., 10c.; ¼ oz., 20c.

FOUR O'CLOCK.

(Mirabilis—Marvel of Peru.)

A hardy annual, growing luxuriantly in any ordinary soil, and bearing a profusion of bright, handsome flowers of various colors, shades and markings. Flowers open at four o'clock, close in the morning.

Choice Mixed... Pkt., 5c.; oz., 15c.

GENTIANA.

Fine, showy flowers. Should be in every flower garden. Hardy.

Mixed Pkt., 10c.

GEUM (Chiloense).

Hardy perennial. Free-blooming plants. Fine for bouquets.

Scarlet. Double Pkt., 5c.



Eschscholtzia.

For Flowering Plants, see Plant Department.

GAILLARDIA.

Exceedingly beautiful, half-hardy perennial, making very showy plants, one to two feet high, for the flower garden. Grown in masses they are especially effective; large flowers, two or three inches across, produced from early summer until frost; unrivalled for cutting.

Grandiflora Maxima. Golden. Pkt., 10c.; ¼ oz., 25c.

Mixed. Many shades of yellow, orange and scarlet. Pkt., 10c.; ¼ oz., 25c.

Picta. Large, handsome, yellow flowers. Hardy annual. Double or single..... Pkt., 10c.; ¼ oz., 35c.

GERANIUM.

Easily and quickly grown from seed.

Lady Washington. Foliage green; flowers large, handsome, oddly marked.

Finest Mixed Pkt., 25c.

GILIA.

Gilias are free-flowering, hardy annuals, one foot high, with finely cut foliage and clusters of small, delicate flowers, white, lilac and rose color; desirable for cutting and suitable for beds, rockwork and edgings.

Mixed Pkt., 5c.

GLOBE AMARANTH (Gomphrena).

An old favorite, everlasting flower.

Mixed Pkt., 5c.

GLOXINIA.

Most charming, greenhouse plants of dwarf habit. Their flowers are produced in greatest profusion, and of the most exquisite and gorgeous colors, many of which are magnificently spotted, mottled and blended. Under the commonest culture they bloom continuously for months. (See cut.)

Hybrida Grandiflora. Choicest mixed Pkt., 25c.

Robusta. Erect, hardy, extra choice Pkt., 25c.

GREVILLEA. ROBUSTA.

The Silk Oak. Very beautiful and graceful foliage plant. Pkt., 10c.

GODETIA.

The Godetias are profuse and constant bloomers, and their delicate tints of crimson, rose and white render them very attractive. Hardy annuals.

Fine Mixed Pkt., 5c.

GYPSOPHILA.

A pretty, free-flowering plant. Fine for bouquets. *Paniculata*. (Baby's Breath.) Foliage fine; covered with tiny, pure white flowers. Hardy perennial Pkt., 5c.
Muralis. Pink. Hardy annual.....Pkt., 5c.

GOURDS.

Of rapid growth, and bearing curious fruits of various sorts.

Dishcloth, Dipper, Bottle, Egg-Shaped or Mock Orange. Each.....Pkt., 5c.
 Large Varieties. Mixed.....Pkt., 5c.; oz., 25c.
 Small Varieties. Mixed.....Pkt., 5c.; oz., 25c.

HELIOTROPE.

Delightfully fragrant, free-blooming, tender, perennial plants. Splendid for bedding or pot culture. One foot high, of spreading habit. The fragrance of its flowers cannot be excelled in exquisite delicacy. Invaluable for bouquets.

Mixed. Choice.....Pkt., 10c.; $\frac{1}{8}$ oz., 40c.
 Mammoth Flowered. Blue, white or mixed; very fine Pkt., 15c.; $\frac{1}{8}$ oz., 50c.



Gypsophila.

HOLLYHOCK (Althaea).

The modern Hollyhock is quite different and much more beautiful than the plant of twenty years ago, being much more compact in growth; the flowers are larger, richer colored, and the double varieties are fuller and of better form. For a background to a flower garden there can be nothing better. Hardy perennials; five feet high.

Chater's Finest Mixed. Double varieties of the greatest perfection.....Pkt., 10c.; $\frac{1}{8}$ oz., 75c.
 Double Crimson, Scarlet, White, Yellow, Magenta, Lilac or Pink..... Pkt., 10c.; $\frac{1}{8}$ oz., 50c.

Allegheny. This sort has very large flowers, composed of fringed and crinkled petals. Rich and handsome. Double or single. Choice mixed.....Pkt., 10c.; $\frac{1}{8}$ oz., 30c.

OUR FLOWER SEEDS ARE
FRESH NEW CROP.



Larkspur.



Double Hollyhock.



Heliotrope.

HELICHRYSUM.

Everlasting flower. One of the best for winter bouquets. White, yellow and crimson. Hardy annual.

Double MixedPkt., 5c.

HIBISCUS (Africanus).

Strong-growing plants, of very easy culture and exceedingly showy. Has large, cup-shaped flowers. Hardy annual.

Extra Mixed.....Pkt., 5c.

HUNNEMANNIA.

(Giant Yellow Tulip Poppy.)

Fumariaefolia. Best of the poppy family for cutting, remaining in good condition for several days. Seed sown early in May will, by the middle of July, produce plants covered with their large buttercup-yellow, poppy-like blossoms, and never out of flower until hard frost Pkt., 10c.



Helichrysum.

We give you \$1.25 worth of Seed
in packets, for \$1.00. See
inside front cover.

HYACINTH BEAN (Dolichos).

Rapid growing, ornamental, climbing annuals, bearing clusters of beautiful purple and white flowers, followed by highly ornamental seed pods.

Mixed Pkt., 5c.; oz., 15c.

ICE PLANT.

Pretty, summer, trailing annual for vases and rock work; leaves covered with ice-like drop Pkt., 5c.

IPOMOPSIS, MIXED ("Garden Cypress").

Symmetrical plants of pyramidal growth, feathery foliage and handsome spikes of flowers; useful for either garden or pot culture.

Mixed Pkt., 5c.; $\frac{1}{4}$ oz., 20c.

IPOMOEA.

One of the most beautiful, climbing plants in cultivation for the greenhouse or sheltered situations outdoors. It belongs to the same family as the Morning Glory. (See Moon Flower, also Morning Glory.)

Hybrida Mixed. Flowers very large and beautiful Pkt., 10c.

KAULFUSSIA.

Pretty, free-flowering plants of compact growth. Hardy annual.

Mixed Pkt., 5c.

LANTANA.

A free-flowering, shrubby plant, suitable for outdoor or pot culture. The flowers emit an agreeable odor, and are of many shades of purple, orange and white. Half-hardy perennial.

Hybrida Fine Mixed Pkt., 10c.

LARKSPUR.

(Delphinium.)

A very ornamental class of profuse blooming plants. Their tall spikes of many colored flowers produce a striking effect when planted in groups. Hardy annual.

Dwarf Rocket. Finest colors Pkt., 5c.; oz., 20c.

Tall Branching. Finest mixed Pkt., 5c.; $\frac{1}{4}$ oz., 20c.

Perennial Mixed Pkt., 5c.; $\frac{1}{4}$ oz., 20c.

LINUM (Crimson Flax).

Beautiful and effective; hardy annual, about eighteen inches high; covered with bright, scarlet flowers.

Grandiflora Rubrum Pkt., 5c.; oz., 35c.

Perennial. Mixed Pkt., 5c.; oz., 35c.

LYCHNIS.

There are few plants that produce more brilliantly colored blossoms than Lychnis. They are borne in clusters and continue fresh and brilliant for a long time. Hardy perennials; one to three feet high.

Haageana Hybrida. Mixed Pkt., 10c.; $\frac{1}{4}$ oz., 25c.



Lobelia.

(Flower only, about life size.)

LUPIN (Lupinus).

Very desirable shrubby plants, bearing long spikes of various colored flowers.

Annual Mixed Pkt., 5c.; oz., 20c.
Perennial Mixed.... Pkt., 5c.; oz., 25c.

MARIGOLD.

(Tagetes.)

The French and African Marigolds are valuable for their flowers in summer, and can be grown to advantage in little clumps with other plants in the front of shrubberies or in the garden border. Color of flowers, yellow, red, brown and variegated. (See cut.)

The African Varieties are the taller in growth, and produce large, self-colored blossoms.

The French Varieties are smaller, some of them being elegantly striped and spotted.

African. Tall, double mixed Pkt., 5c.; oz., 40c.
African. Dwarf, double mixed Pkt., 5c.; oz., 40c.
French. Tall, double mixed Pkt., 5c.; oz., 35c.
French. Dwarf, double mixed Pkt., 5c.; oz., 35c.

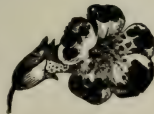
MIMULUS.

Moschatus (Musk Plant). Cultivated for its rich, musky odor. Should have a rich soil and ample moisture. Hardy perennial. Pkt., 10c.

Tigrinus Grandiflora (Monkey Flower). Mixed, beautifully spotted, all colors. Pkt., 10c.



Marigold.



Mimulus.



Morning Glories.

LOBELIA.

Delicate, low-growing, annual plants of the greatest value for borders, ribbons, edgings, rock work and hanging baskets. (See cut.)

Gracilis. Blue, trailing; beautiful for baskets. Pkt., 10c.; ¼ oz., 25

Crystal Palace. Dark blue; fine for bedding Pkt., 10c.; ¼ oz., 25c.

Crystal Palace Compacta. Plant dwarf; flowers very fine and rich, deep blue; finest for bedding and edging Pkt., 10c.; ¼ oz., 50c.

White Lady. New white flowering Pkt., 10c.; ¼ oz., 30c.

Perennial Cardinals. Taller than other sorts; flowers rich red .. Pkt., 10c.

During the early spring months we can supply Flowering Plants of many kinds. See Plant Department.



Mignonette.

MIGNONETTE.

A quick-growing annual, highly esteemed for its delicate fragrance. It grows most rapidly and produces the largest and finest spikes of blossoms during cool, moist weather of early spring and late fall months, but will flower freely throughout the summer from seed sown early in spring. A second planting should be made about the first of August to furnish large, fine spikes of flowers during the cool, fall months.

Reseda Odorata. Very fragrant Pkt., 5c.; oz., 15c.

Grandiflora. Large, well-formed, fragrant flowers ... Pkt., 5c.; oz., 20c.

Machet. Dwarf; flowers red Pkt., 10c.; ¼ oz., 20c.

Golden Queen. Dense dwarf growth; flowers golden yellow, deliciously fragrant Pkt., 10c.; ¼ oz., 20c.

Allan's Defiance. A choice strain for forcing under glass during winter, producing spikes closely set with individual florets of enormous size and intensely rich perfume. It is also one of the most desirable for summer culture in open ground .. Pkt., 10c.; ¼ oz., 25c.

Giant Pyramidal. Erect pyramidal growth, with fine spikes of elegant flowers Pkt., 5c.; ¼ oz., 25c.

MIMOSA.

Pudica (Sensitive Plant). Very curious and interesting plant. Its leaves closing if touched or shaken. Annual. Pkt., 5c.

MOON FLOWER.

(Ipomoea Mexicana Grandiflora.)

Rapid growing climber, belonging to the Morning Glory family. The flowers are large, waxy white and very showy. Pkt., 10c.; ¼ oz., 20c.

MORNING GLORY.

The tall varieties are popular, well known, rapid growing climbers of the easiest cultivation. Very fine for covering arbors, trellises, porches, etc. The Minor, or Dwarf varieties flower very freely and do not require support. (See cut.)

Convolvulus Major. Tall, choice, single mixed, all colors Pkt., 5c.; 1 oz., 15c.

Tall Double Mixed Pkt., 10c.; ¼ oz., 25c.

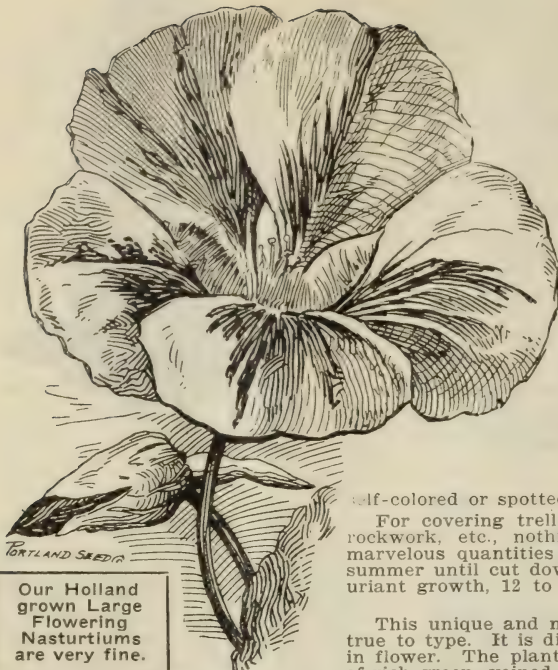
Convolvulus Minor. Dwarf mixed Pkt., 5c.; oz., 15c.

Imperial Japanese. These have very large fringed flowers in a great variety of the most exquisite colorings; handsome, variegated foliage; mixed Pkt., 10c.; oz., 25c.

Japanese Double Mixed. This double Japanese sort is very fine in leaf, flower and growth Pkt., 10c.; ¼ oz., 50c.

MUSA ENSET (Abyssinian Banana).

Splendid, tropical plant, very striking Pkt., 25c.



Our Holland grown Large Flowering Nasturtiums are very fine.

Nasturtium (Life-size flower).

scarlet in color, and of most distinct form. The petals are quite narrow, and standing well apart from each other present a striking, star-like appearance. Desirable not only as a bedding variety, but also as a basket or vase plant, where the trailing branches show off the beautiful foliage and star-like, scarlet flowers to the greatest advantage.

TALL OR CLIMBING NASTURTITIUMS, LARGE FLOWERING.

- | | |
|--|--------------------------------------|
| Zanderi Nigrum. Dark, rich red, almost black; very fine | Pkt., 5c.; oz., 25c. |
| Golden Queen. New; finest and richest; pure yellow | Pkt., 5c.; oz., 15c. |
| Lilli Schmidt. Handsome, orange scarlet; large | Pkt., 5c.; oz., 15c. |
| Crown Prince of Prussia. Flowers rich, dark blood red | Pkt., 5c.; oz., 15c. |
| Giant of the Battles. Light yellow, spotted with red | Pkt., 5c.; oz., 15c. |
| Pearl. Cream white; very fine | Pkt., 5c.; oz., 15c. |
| Vesuvius. Salmon rose; leaves dark; fine | Pkt., 5c.; oz., 15c. |
| Lobbianum. Choicest mixed; the very finest flowering kinds, having a richness of color and a variety of brilliant shades and markings hitherto unknown | Pkt., 10c.; oz., 20c.; 1/4 lb., 35c. |
| Lobbianum. Fine mixed | Pkt., 5c.; oz., 15c.; 1/4 lb., 30c. |
| Tall Fine Mixed. Fine assortment | Pkt., 5c.; oz., 10c.; 1/4 lb., 20c. |

SPECIAL—The above collection of seven named sorts, one packet each, for 25c.

DWARF OR TOM THUMB SORTS, LARGE FLOWERING.

- | | |
|---|-------------------------------------|
| Dwarf Pearl. Almost pure white | Pkt., 5c.; oz., 25c. |
| Ruby King. Ruby red; fine form; dark leaved | Pkt., 5c.; oz., 25c. |
| Sunlight. Finest of yellows | Pkt., 5c.; oz., 25c. |
| Spotted King. Dark yellow, spotted with brown | Pkt., 5c.; oz., 25c. |
| Chameleon. New; cream white, spotted with bright scarlet, edged with dark scarlet; plant compact; leaves dark; a beautiful sort | Pkt., 5c.; oz., 25c. |
| Midnight. Dark leaved, compact bush; flower rich, dark, intense scarlet; very handsome; excellent for borders | Pkt., 5c.; oz., 25c. |
| Dwarf Mixed. Finest varieties | Pkt., 5c.; oz., 15c.; 1/4 lb., 30c. |

SPECIAL—The above collection of seven packets for 25c.—**SPECIAL.**

Our Flower Seeds come from the best growers in the world, and they are always fresh, true and reliable. None better offered anywhere.



TALL NASTURTITIUM (Showing Vine and Climbing Nature).

NEMOPHILA (Love Grass).

Hardy annuals of neat, dwarf, compact growth; fine for borders, pot culture or rockeries. Flowers blotched and beautiful. Free bloomers.

Mixed Varieties Pkt., 5c.

NIGELLA.

(Love-in-a-Mist, or Devil-in-the-Bush.) Compact growing, free flowering plants, with curious looking, showy flowers and finely cut foliage. Hardy annuals.

Mixed Pkt., 5c.

NICOTIANA (Affinis).

A very showy plant, producing pure white, star-shaped flowers of delicious perfume. Taken up in the fall, cut back and potted, will bloom freely all winter. Half hardy annual, three feet high.

Pkt., 5c.; 1/4 oz., 25c.

Nasturtium

TROPOEOLUM.

These well-known flowers need no description. They have recently been greatly improved and are now among the most attractive climbers, bedding and border plants. All Nasturtiums flower best where the soil is not too rich. Hardy annuals, of easy cultivation. There are many different colors or combinations of colors in these new hybrids, including various shades of rose, salmon, bright red, pale yellow, etc., either self-colored or spotted, mottled, striped and margined.

For covering trellises, fences, arbors, piazzas, trailing from vases, over rockwork, etc., nothing can equal the gorgeous effect produced by their marvelous quantities of bloom, borne in uninterrupted splendor from early summer until cut down by frost. Their ease of culture and rapidity of luxuriant growth, 12 to 15 feet high, render them worthy of great popularity.

NEW IVY LEAVED.

This unique and most beautiful climbing Nasturtium now comes entirely true to type. It is different from all other Nasturtiums, both in foliage and in flower. The plants are of running growth with star-like pointed leaves of rich green, veined with white, so that the young shoots, where the leaves are set quite closely together, have a marked resemblance to the foliage of the hardy English Ivy. The flowers are of medium size, intense glowing

Pkt., 10c.; oz., 25c.

Pansies

The Pansy is a plant that we all delight to grow for a plentiful supply of flowers all the year. For very early, outdoor bedding the seed is sown in the fall, in a cold-frame, or in rich, moist, garden beds. In outdoor beds, raised a few inches above the ground, with a mulch of dry leaves and some brush to hold them in place, Pansies will often winter nicely, and bloom until midsummer, when a relay of young, vigorous plants should be ready to replace them. Spring sowing should be made early, so as to secure good flowers during the early rains. Early fall sowing gives the finest flowers.

Our strains of Pansy seed cannot be surpassed in color and blooming qualities. The collections offered will give superb flowers in a great variety of beautiful colors.

1905 Exposition Collection of New Pansy Novelties

The latest Introductions Direct from our German Pansy Seed Grower.

PRINCE HENRY.

A new giant variety of vigorous habit, the flowers often attaining 3½ inches across, of a brilliant, dark indigo with violet luster, each petal having a large, black-brown, veined blotch, like the Bugnot race. Edges of petals, slightly ruffled. Pkt., 20c.

HERO.

No more beautiful Pansy has ever been introduced than "Hero." It is a very large, well-shaped flower of great substance; has beautiful regularly crimped and curled edges. Its color is an exquisite, deep blue, shading to white on the upper petals; very showy. Pkt., 20c.

PAPILLO.

A new and very distinct variety of strong, vigorous growth. Produces in abundance, handsome, large flowers of a violet lilac color; exceedingly rich. Pkt., 20c.

CORONA.

A New 1905 Novelty.

For beauty of form, size and brightness of color, this new Pansy is a winner. Peculiarly pretty, differing from all others by its diversity of colorings. Flowers large, citron yellow, with deep, black eye; upper petals richly veined and tinged with brilliant red. All petals curled and ruffled. Pkt., 25c.

PSYCHE.

Not one of the many Pansy varieties has such a winning appearance as Psyche. The plant is perfect in habit and very floriferous. Each flower is elegantly curled and undulated, and in every respect a beauty in form and color. The characteristic, five velvety, violet blotches or eyes are surrounded by a broad white edge. Comes true from seed. Pkt., 20c.

PEACOCK (New).

A striking variety; the upper petals being of a beautiful ultra-marine blue, while the lateral and lower are of a deep carlet. Edged with white. Pkt., 20c.

SPECIAL—One packet each of the above collection, only \$1.00.

Large Flowering Popular Sorts

Alba Pura (Lady-in-White). A beautiful, new, pure white. Pkt., 10c.
Coquette de Poissy. Reddish lavender, maroon blotches on lower petals; novel and distinct. Pkt., 10c.

King of the Blacks. This is an exceptionally fine strain of black. Pkt., 10c.
Prince Bismarck. Brown and golden bronze, remarkably beautiful. Pkt., 10c.

President Carnot. The ground color is white and each petal is almost covered with a deep, rich, velvety blotch of dark, violet blue, leaving a broad, white margin. Pkt., 10c.

Queen of the Blues. Flowers large, azure blue. Pkt., 10c.

Snow Queen (Candidissima). Very large, satiny white. Pkt., 10c.

Victoria. The blooms are of good substance and form and deep carlet, red color.

Yellow Gem. A lovely, rich, pure yellow. Pkt., 10c.

TRIMARDEAU GIANTS.

These are remarkably large Pansies, which for size of flower and robust growth eclipse all other strains. Their range of color has heretofore been limited, but this season we are able to offer several grand varieties.

Giant. White, yellow, striped, black, blue or mixed. Pkt., 10c.; ¼ oz., 75c.; 1 oz., \$2.50.

SPECIAL—One packet each of the six kinds, 50c.

Portland Seed Co.'s

ELITE LARGE FLOWERING MIXED.

The Choicest and Richest Sorts.

This superb collection cannot be surpassed for size, shape, markings or richness of color of the flowers. No pains are spared by our German grower to make this strain absolute perfection in form, firmness of texture, size, freedom of bloom, and elegance and variety of markings and colorings. There is no mixed Pansy seed offered superior to this. Pkt., 25c.; ⅓ oz., \$1.00; ¼ oz., \$1.50.

The above Pansy cut is a direct reproduction from photograph of some of our large Flowering Pansies.

Pansy Plants See Plant Department

Don't overlook Pansies on next page

Pansies—Continued



Cassier. This is a very fine mixture of Pansies, marked with three or five blotches on rich backgrounds. The flowers are very large, round, and borne on stiff stalks emerging from bushy, compact plants.

Pkt., 25c.; $\frac{1}{8}$ oz., 75c.

Odier or Blotched. Superb, large flowers, beautifully blotched with rich and varied colors. Extra mixed.

Pkt., 25c.; $\frac{1}{8}$ oz., 75c.

Parisian Largest Spotted. New, very large flower-ing; very handsome.

Pkt., 15c.; $\frac{1}{8}$ oz., 75c.

Bugnot. Its flowers are of enormous size and circular form; the petals are of great substance and velvety appearance, each one bearing a large, deeply colored blotch that runs out in delicate veins to the edge; the shadings comprise tints of red, bronze and brown not found in any other mixture.

Pkt., 25c.; $\frac{1}{8}$ oz., \$1.00.

English Show Extra Mixed. An exceedingly fine mixture, all colors; will make a remarkably fine display.

Pkt., 10c.; $\frac{1}{4}$ oz., 75c.; 1 oz., \$2.00.

Fine Mixed. A fine assortment of colors.

Pkt., 5c.; $\frac{1}{4}$ oz., 50c.; oz., \$1.25.

PASSION FLOWER. (Passiflora).

Most interesting and well known climbers, bearing singularly beautiful flowers.

Coerulea. Half hardy, deciduous climber, with blue and white flowers of remarkable beauty Pkt., 10c.

PAMPAS GRASS. (Gynerium Argenteum.)

A noble ornamental grass, easily grown from seed, producing majestic plumes, that are inimitable for winter decoration.

Pkt., 5c.

PERILLA NANKINENSIS.

Dark purple foliage plant. Half hardy annual.

Pkt., 5c.

PENTSTEMON.

Beautiful, hardy, perennial, herbaceous plants, with extremely brilliant blooms. Their bell-shaped flowers are borne on long spikes, and are produced abundantly all summer.

Mixed Pkt., 5c.; $\frac{1}{4}$ oz., 35c.

We have unlimited quantities of Flowering Plants in season. See Plant Department, pages 59-70.

PHLOX DRUMMONDII.

The blooms of Phlox Drummondii are unrivaled for richness and beauty of color, ranging from white to the deepest scarlet and purple. They are abundant, almost covering the foliage, and of long duration. Very desirable, and easily grown. For cutting for bouquets or for bedding in masses they are unsurpassed. Hardy annual, one foot high. (See cut.)

Choice Mixed	Pkt., 5c.; $\frac{1}{4}$ oz., 50c.
Large Flowering. Mixed; flowers large and brilliant	Pkt., 5c.; $\frac{1}{4}$ oz., 60c.
Large Flowering. Scarlet or white	Pkt., 5c.; $\frac{1}{4}$ oz., 75c.
Dwarf. Mixed; finest flowering sorts	Pkt., 5c.; $\frac{1}{8}$ oz., 50c.

PHLOX PERENNIAL.

Perennial Phlox is among the choicest of our flowers for bedding and border plants. They are hardy and need no protection; will flourish in any soil.

Decussata. Perennial; mixed Pkt., 10c.; $\frac{1}{8}$ oz., 50c.

PETUNIA (Hybrida).

Too much cannot be said in praise of the Petunia as a bedding plant. Our clear, bright summers seem to bring out its best qualities. During the whole season it is covered with large, showy blossoms, which are always bright and fresh, in spite of heat and drought. The flowers are of an almost infinite variety of colors and markings, and quite as varied in form, large and small, fringed and plain, double and single. Hardy annual. Large assortment.

Single Fine Mixed	Pkt., 5c.; $\frac{1}{8}$ oz., 25c.
Single Choicest Mixed. Saved from the best flowers	Pkt., 10c.; $\frac{1}{8}$ oz., 50c.
Single Fringed. Large flowered; very desirable	Pkt., 25c.
Double White. Large flowered	Pkt., 25c.
Double. Choicest mixed; full and handsome	Pkt., 25c.

PHORMIUM (New Zealand Flax).

Tenax Fol Vas. Has handsome, variegated foliage Pkt., 10c.; $\frac{1}{4}$ oz., 50c.

PINK (Dianthus).

The Dianthus family embraces some of the finest of all flowering plants. The blooms are of the richest and most pleasing colors, and nothing can surpass the exquisite fragrance of some varieties. They are hardy, and become perennial in warm climates.

Chinensis. Double mixed	Pkt., 5c.; $\frac{1}{4}$ oz., 25c.
Heddwigl. Color varies from richest, velvety crimson to delicate rose. Single mixed	Pkt., 5c.; $\frac{1}{4}$ oz., 25c.
Heddwigl. Double mixed	Pkt., 5c.; $\frac{1}{4}$ oz., 35c.
Laciniatus. Fine, double fringed, finest assorted colors; double mixed	Pkt., 5c.; $\frac{1}{4}$ oz., 50c.
Plumaris (Sweet May Pinks). Very fragrant; fine mixed	Pkt., 5c.; $\frac{1}{4}$ oz., 35c.
Alba Plena. Handsome, double white	Pkt., 10c.; $\frac{1}{8}$ oz., 25c.

PYRETHRUM.

Very ornamental plants, for both foliage and flowers.

Parthenium Aureum (Golden feather). Beautiful, gold leaved, flowers white. Pkt., 10c.

Selagencides. Fine, fern-leaved sort; flowers bright, golden yellow Pkt., 10c.



Penstemon.



Petunia.



Pink.



Phlox Drummondii.

POPPY (Papaver).

The Poppy is well known and really a magnificent flower which is borne separately on tall stalks. Poppies are very showy and come in many bright and charming colors. They are hardy annuals, and may be sown where they are to remain, as soon as the ground can be prepared.

Double Carnation Flowered. Fringed; colors are dazzling; mixed Pkt., 5c.; ¼ oz., 25c.
Shirley. The range of color, extending from white, through delicate shades of pink, rose and carmine, to deepest crimson; fine for cutting. Best single mixed Pkt., 10c.; ¼ oz., 25c.

Iceland (Nudicaule). These are of a very graceful, neat habit, with bright green, fern-like foliage, formed in tufts, from which issue slender stalks about 12 inches in height, bearing yellow, white or orange-scarlet flowers in endless profusion and most useful for cutting; hardy perennial. (See cut.) Mixed colors .. Pkt., 10c.; ¼ oz., 40c.

Danebrog (Danish Flag). Scarlet, with a white spot at the base of each petal; brilliant Pkt., 5c.; ¼ oz., 25c.
Double Scarlet or White Pkt., 5c.; ¼ oz., 25c.
Double American Flag. White bordered with scarlet Pkt., 5c.; ¼ oz., 30c.

Umbrosum. Rich vermilion, with a glossy, black spot on each petal; single Pkt., 5c.; ¼ oz., 30c.
Bracteatum. Hardy perennial; very showy; red Pkt., 5c.; ¼ oz., 20c.

California Poppy. See Eschscholtzia.

PORTULACA.

Brilliant, dwarf annuals, only six inches high, luxuriating in warm situations, and blooming profusely from early summer to autumn. For low beds and masses of color, from spring until frost, they are indispensable; colors range through innumerable shades of red, yellow, pink, striped, white, etc.

Single Mixed Pkt., 5c.; ¼ oz., 25c.
Double Mixed Pkt., 10c.; 1-16 oz., 25c.



Portulaca.

PRIMROSE, EVENING (Oenothera).

The Oenothera, or Evening Primrose, produces large, showy blossoms, which are fully expanded only during the evening and early in the morning. The flowers, which are from three to four inches across, attract much attention on account of their size, beauty and the rapidity with which they open. They are constant and prolific bloomers.

Fine Mixed Pkt., 5c.; ¼ oz., 25c.



Primula Sinensis.



Iceland Poppies.

PRIMULA. (Primrose.)

The first three varieties named below are hardy, early blooming garden plants, and the others beautiful, winter blooming, house plants. Their various forms and blending of colors are exceedingly pleasing and effective. They thrive best in a sandy loam and leaf mold. (See cut.)

Polyanthus. Early blooming, dwarf growing plants, valuable for outdoor bedding; mixed colors Pkt., 10c.; 1-16 oz., \$1.00.

Vulgaris. Yellow, common, English Primrose Pkt., 10c.

Japonica (Japanese Primrose). The beautiful, large, various colored flowers stand in whorls, pyramidically arranged on short flower stems; one foot high; though perennial, new plants flower more freely, and seed should be sown every year; mixed varieties. Pkt., 25c.; 1-16 oz., \$1.

Sinensis (Chinese Primrose). The beautiful, large, fringed flowers stand in pyramids arranged on short flower stems. Blossoms of every shade of color, from pure white to deep crimson, and even deep blue; especially fine for winter and spring flowers in the house; easily grown; free bloomers. (See cut.) Finest mixed Pkt., 25c.; 1-32 oz., \$2.00.

Sinensis. Pure White or Red Pkt., 25c.

Sinensis Alba Magnifica. New; finest large white Pkt., 50c.

Sinensis. Double finest mixed Pkt., 50c.

Obconica Grandiflora. A lovely profuse-bloomer, bearing beautiful single flowers; this is really an everblooming plant, producing elegant clusters of flowers continuously throughout the year .. Pkt., 10c.; 1-16 oz., \$1.50.

RHODANTHE.

A charming annual. Flowers everlasting.

Mixed Pkt., 5c.

SALVIA (Flowering Sage).

Very ornamental; flowers borne in spikes of fiery red or crimson, and continue in bloom in open ground until after severe frosts. Start in heat and transplant into light soil, one to two feet apart. Excellent for bedding in masses or single planting. Hardy annuals. (See cut.)

Salvia Splendens. Brilliant scarlet .. Pkt., 10c.; ¼ oz., 50c.

Bonfire (Clara Bedman). Finest Salvia ever introduced; compact bush about two feet in height and diameter. Its erect spikes of flowers of brilliant scarlet stand clear above the dark-green foliage and completely cover the plant. It attracts immediate attention in the garden, and is one of the most effective and gorgeous plants in cultivation Pkt., 15c.; ¼ oz., \$1.00.

Argentea. Silver leaves; flowers white; blooms in the spring Pkt., 5c.

Salvia Farinacea. Flowers light blue, compact bush Pkt., 10c.; 1-16 oz., \$1.00.

For Salvia Plants, see Plant Department.

SALPIGLOSSIS.

Produces very showy, funnel-shaped flowers of large size. Fine for beds. Half-hardy annuals.

Tall Mixed .. Pkt., 5c.; ¼ oz., 25c.

Fine Dwarf Mixed Pkt., 5c.; ¼ oz., 25c.

Grandiflora Mixed. Large flowering Pkt., 10c.

SAPONARIA.

Pretty, dwarf bedding plants. Red, white and scarlet flowers. Hardy annuals.

Fine Mixed Pkt., 5c.



Salvia.

CHOICEST VARIETIES

Sweet Peas

CREAM OF ALL

1905 Portland Collection

Of Grand New Novelties, especially collected in honor of Lewis and Clark Exposition year. The latest introductions and creations in Sweet Peas. Full collection of 12 sorts, 1 pkt. each, only 75c.

KING EDWARD VII.

Grandest Crimson Ever Introduced.

This is a very lovely, intense crimson, with a slightly hooded, yet prominent standard; a true, giant-flowered variety, with strong stems and growth, with no inclination to burn in the sun. A fine decorative and show variety, much brighter than either Mars or Salopian.

Pkt., 10c.; oz., 25c.; ¼ lb., 75c.

DOROTHY ECKFORD—Pure White.

Pronounced by Sweet Pea experts to be the grandest pure white yet seen. In addition to its pureness it is a grand, giant flower, also robust in growth and stem, with no tendency whatever to tinge or go pink; the plant is very short jointed and grows an enormous mass of bloom.

Pkt., 10c.; oz., 25c.; ¼ lb., 75c.

AMERICAN QUEEN—Salmon Red.

Of vigorous growth, bearing uniformly three large flowers on a long stem and most profuse in bloom. The standard is extra large, of unusual height, erect and pointed at the top; color a clear "salmon red," the large wings being of a bright, deep rose.

Pkt., 10c.; oz., 15c.; ¼ lb., 35c.

BURPEE'S NEW WHITE WONDER.

This is a double-stemmed, many-flowered White Sweet Pea. It is pronounced the most unique novelty in large-flowering, tall Sweet Peas yet produced. The flowers are pure white, uniformly of the largest size, and are borne six to eight, and frequently as many as ten to twelve large flowers on a long, stout stem. The stems are frequently double; that is, two stems seem to be united in growth throughout their entire length. The flowers are well placed near the top of the stem and generally all facing one way. The vines bloom profusely, being of unusual vigor.

Pkt., 10c.; oz., 35c.; ¼ lb., \$1.00.

GRACIE GREENWOOD—Cream.

Flowers of good size; beautiful, soft cream, shaded delicate pink, with a distinct edging of deeper pink. Very handsome sort.

Pkt., 10c.; oz., 15c.; ¼ lb., 40c.

JEANIE GORDON—Rose.

This charming novelty is one of the most attractive varieties sent out for some years; standard bright rose, shaded cream; slightly hooded; wings cream suffused rose; flowers large.

Pkt., 10c.; oz., 15c.; ¼ lb., 40c.

LADY M. ORMSBY-GORE—Primrose.

Standard primrose, delicately shaded (or overlaid) with buff and fawn; wings clear primrose. Of very vigorous growth, the large hooded flowers are borne profusely on long stems.

Pkt., 10c.; oz., 15c.; ¼ lb., 40c.

JOSEPHINE WHITE—Pure White Dwarf.

Extremely early. A dwarf Emily Henderson. Undoubtedly the very earliest, flowering, pure white Sweet Pea, and as the vines are slightly taller and more vigorous in growth than those of Mont Blanc, we think the Josephine White will be the most popular for general garden culture. The vines are two and a half feet in height when in full flower.

Pkt., 10c.; oz., 15c.; ¼ lb., 40c.

MISS WILLMOTT—Orange Pink.

Extra large standards, of the richest "orange-pink," delicately shaded rose; wings also orange-pink. Enormous flowers borne erect on long, stiff stems. One of Eckford's finest novelties.

Pkt., 10c.; oz., 15c.; ¼ lb., 35c.

MRS. E. KENYON—Rich Primrose.

A beautiful, rich, primrose color. A bold, giant flower and a most desirable variety. Can be described briefly as an enlarged and improved Mrs. Eckford, which has been so popular for years.

Pkt., 10c.; oz., 15c.; ¼ lb., 35c.

JANET SCOTT—New Pink.

This might be called a "new shade" of deep pink. The unusual size of the wings in connection with the large, substantial hooded standard gives the flowers an appearance of enormous size. The flowers are considerably deeper and richer in color than the favorite Katherine Tracy, while unlike that variety, they are generally borne three on a stem.

Pkt., 10c.; oz., 25c.; ¼ lb., 75c.

SUE EARL.

The flowers are uniformly of large size and hooded form, borne three on a long stem. The standard is primrose, with mauve at edges; wings almost pure primrose, with only a suggestion of light mauve. The last blossom produced at the top of the stem always remains of a clear primrose color, while the other flowers become later of a deep mauve, making a most charming contrast.

Pkt., 10c.; oz., 15c.; ¼ lb., 35c.

1905 LEWIS AND CLARK EXPOSITION MIXTURE.

Unequaled for Size and Beauty of Flowers, and Blending of Colors.

This mixture for 1905 will surpass any we have ever sold. This is a strong claim, for last seasons mixture was simply "perfection itself." Each year we add the novelties of the previous year, so that with the exception of 1905 novelties, you will get in this mixture all the choicest, finest, new, large flowering, Sweet Peas grown, mixed in the right proportion to please the most critical and exacting lover of Sweet Peas. No finer mixture can be bought anywhere. Put up in full weight, one ounce, sealed packets only, at 15c. each; two for 25c.; five for 50c.; fifteen for \$1.00. Nothing is prettier than a fine hedge of Sweet Peas. (See cut.)

Sweet Peas—Continued

For Your Convenience

we have grouped the different varieties under their colors. We offer you only the choicest and best of each color.

Price

All varieties, except where otherwise stated, 5c. per pkt., 10c. per oz., 20c. per $\frac{1}{4}$ lb., 60c. per lb., postpaid.

WHITE.

Blanche Burpee. A grand large flower of beautiful form; firm, lasting substance and snowy whiteness; flowers on long, stiff stem. Vines are of strong growth, blooming profusely throughout the season.

Emily Henderson. The earliest blooming, standard pure white. Large flowers.

Sadie Burpee (White Seeded). Flowers are of the largest size and purest snowy white. Flowers come in three at the top of stiff stems and are of firm substance, lasting well when cut.

Mont Blanc (New). This is extremely early. It begins to bloom when only twelve inches high. Seldom attains more than two feet in height. The flowers are a pure, paper white; standard, broad, rounded in form, slightly notched in center.

Pkt., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.

CREAM OR LIGHT YELLOW.

Golden Gleam. A lovely yellow of beautiful form and good size.

Mrs. Eckford. Quite large size. A beautiful shade of light primrose-yellow; fine for cut flowers.

Queen Victoria. Color a soft primrose-yellow, slightly overlaid with faint purple.

Stella Morse. The color effect is richer than in any other of the creamy-yellow varieties. Has a faint tinge of pink underlying the creamy shading, producing a true apricot shade.

BLUSH (Very Light).

Modesty. Almost white, but suffused with pink.

Sensation. Large flowers; standard well expanded, of delicate, silky texture, suffused with faint blush pink.

PINK (Light).

Countess of Lathom. Fine, large, flowers. A soft, cream tint heavily shaded with soft flesh-pink in the center of the standard and wings, shading much lighter at the edges.

Eliza Eckford. Standard flesh-pink, suffused with silvery white; wings white, occasionally suffused with soft pink.

Katherine Tracy. Soft rosy pink, lighter at edges. A fine large flower, and of strong, vigorous growth.

Lovely. The most beautiful shades of soft shell-pink, changing to very light rose at the outer edges. Grand flowers of large size.

PINK (Deeper Shades).

Apple Blossom. Large, beautifully hooded flowers; standard heavily shaded and edged with soft rose in silvery white; wings white with deep rose in center.

Blushing Beauty. Soft rose-pink, delicately suffused on a silvery-white ground.

Prima Donna. A most beautiful bright shade of blush-pink. Flowers of large size and finest form.

Royal Robe. Fine, large flowers of beautiful form and delicate coloring; standard rich flesh-pink; wings soft carmine-rose, a beautiful shade.



A Hedge of Sweet Peas, grown by Mrs. A. H. Frego. Note height and growth. (From photograph.)

ROSE (Rich Shades).

Fashion. Large flowers. Soft shade of rose-magenta, spread over the whole flower and deepening at base of standard.

Lord Kenyon. A fine, large flower, three on a stem, bright rose-pink, shaded more heavily at the edges of the standard and wings, and with distinct richly colored veinings.

Lady Skelmersdale. Standard, light magenta, lilac at edges, shading lighter to almost white at base. Wings practically white, tinged at times with pink. It has the same colors and shadings of Crown Jewel, but is on a white ground.

Mrs. Dugdale. One of the largest-flowered of all, coming uniformly three on a stem. The standard is of a light carmine-rose with faint markings of primrose; wings of the same tint.

Prince of Wales. Large flower, bright, self-colored, deep rose tint. The flowers are beautifully hooded.

Royal Rose. Deep rosy pink, with wings of a lighter shade; flowers of largest size and fine form.

RED AND SCARLET.

Brilliant. A very bright crimson-scarlet. Standard broad and slightly hooded; wings widely spreading.

Coccinea. A distinct new color and "a beautiful thing," although the flowers come only two on a stem and are not extra large. They are self-colored in a bright rich cherry, intensely brilliant and decidedly new. Oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.00.

Firefly. The favorite, bright-scarlet variety. The flower is of medium size, glowing scarlet.

Mars. An intense, glowing scarlet of grand form; wings heavily suffused with rose.

Prince Edward of York. Flowers extra large and boldly expanded; standard is a bright glowing scarlet bordering on salmon; wings are soft, deep rose.

Salopian. This is decidedly the finest scarlet Sweet Pea in cultivation. Flowers of largest size and finely hooded form, are borne uniformly three on a stem.

ORANGE AND SALMON.

Gorgeous. Deep salmon-orange suffused with an orange-salmon or deeper shade. The coloring is intensely brilliant.

Hon. F. Bouverle. Soft pinkish salmon, wings shade to a lighter salmon-buff at the edges. A most charming variety.

Lady Mary Currie. The best of the rich orange-tinted varieties, excepting only the new Miss Willmott; standard large, heavily veined with salmon-pink and shaded in lower portion with carmine; wings large, recurved, and of a soft rose-pink, veined with a deeper shade bordering on buff.

Venus. Lovely salmon-buff, shaded with rosy pink. The fine, large flowers become deeper in shade as they remain open.

Sweet Peas—Continued

PINK AND WHITE.

Blanche Ferry. Standard wide and erect, bright rose-pink; wings creamy white, tinted with rose.

Extra Early Blanche Ferry. An improved strain of the very popular Blanche Ferry, beginning to flower fully a week earlier.

BLUE AND WHITE.

Lottie Eckford. Large silvery-white flowers, beautifully shaded and edged with soft lavender.

Maid of Honor. The flowers are beautifully shaded with light blue on a white ground and boldly edged with narrow border of deep, rich violet; very dainty.

LAVENDER AND LIGHT BLUE.

Admiration. Large flower, delicate shade of rosy lavender. One of the very choicest varieties.

Countess of Radnor. Fine size and form. A beautiful shade of light lavender, with faint purplish tinge.

Dorothy Tennant. A finely hooded flower; self-colored in a rich shade of rosy mauve. Flowers of large size and good form.

Golden Gate. Standard, magenta lilac shading deeper at mid-rib and lighter at edges. Wings lilac tinged with magenta. Large, semi-hooded form. Wings are not regular and stand upright, parallel to the standard.

Lady Grisel Hamilton. Most attractive light lavender shading; flowers of large size.

Lady Nina Balfour. Delicate light lavender or lilac, entirely free from any reddish tone.

New Countess. An improved Countess of Radnor, the flowers being a clear, light lavender.

Oz., 15c.; ¼ lb., 30c.; lb., 75c.

BLUE AND PURPLE.

Captain of the Blues. The flowers have the appearance of being a true blue; bright and attractive.

Countess Cadogan. Large flowers; a light bluish purple in standard and clear blue in wings. The color effect is that of a bright blue.

Emily Eckford. Flowers of large size; standard light rosy purple; wings rich deep blue.

Navy Blue. The large flowers are of a deep, glowing violet-purple, having the effect of a dark navy blue.

SCARLET AND MAROON.

Black Knight. Large size; standard a rich, wine-brown or dark claret; wings heavily shaded with brownish purple.

Captivation. The flowers are large and of a beautiful, bright claret shade.

Duke of Sutherland. Standard erect, pointed, of a deep claret shade with strong reddish tinge, deepening to rich purple at the base; wings wide, heavily rolled, and of a deep violet-purple.

Duke of Westminster. Grand, large flowers. A beautiful shade of rosy claret.

Othello. A deep maroon self-color; very large size; standard slightly hooded, widely expanded, and of grand hooded form.

Shahzada. Intensely dark maroon, with a tint of purple in standard and inner portion of wings; rich.

Stanley. Rich, dark, glossy flowers of large size, self-colored in darkest maroon of a burnished tint.

STRIPED AND VARIEGATED.

America. Heavily striped with bright blood-red on silvery-white ground; showy.

Gray Friar. A most charming variety, heavily shaded with watered, purple markings on creamy-white ground.

Juanita. Large size, beautiful form, with broad striped markings of delicate light lavender on a creamy-white ground.

Lottie Hutchins. Large flowers, delicately flaked and striped with light pink on a rich, creamy ground.

Mrs. Jos. Chamberlain. Ground color is a clear, silvery white, brightly striped soft, rosy pink, with most attractive effect.

Pink Friar. Soft carmine-rose, suffused on a silvery or crystalline, white ground in finely watered markings and heavily backed with rosy carmine.

Princess of Wales. Flowers of large size, striped throughout with mauve on a white ground.

Wawona. The lovely flowers are of a delicate heliotrope, beautifully striped with faint, creamy white; they are of large size and finest form.

Sweet Peas in Mixtures

Extra Mixed. Contains a very large variety of the old standard sorts. Good value.

Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 40c.

Large Flowering Mixed. This mixture, although not embracing the latest novelties, contains a beautiful assortment of the large flowering kinds.

Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 60c.

Lewis and Clark Mixed, see page 44.

Cupid

or Dwarf Sweet Peas

Dwarf in plant only, the blossoms being as large as the tall kinds. They grow from four to six inches high, and are beautiful grown in pots or planted for borders. Blossoms are borne in clusters of two or three, on long stems above the foliage. Fragrant.

White, Pink, Scarlet, Primrose, Lavender, Striped, Maroon or Mixed.

Per pkt., 5c.; oz., 15c.; ¼ lb., 40c.; lb., 85c.

Double Sweet Peas

Double Sweet Peas are of incomparable beauty. The flowers are extra large, frequently measuring over two inches across. They have two to three standards and frequently three wings; these petals are beautifully incurved and frilled. The flowers of these do not all come double, but usually 20 to 40 per cent of double blossoms are produced. Sometimes the flowers on a stem will all come double, and sometimes all single, but generally doubles and singles are borne about half and half on each stem.

Pkt., 5c.; oz., 15c.; ¼ lb., 40c.; lb., 85c.

Perennial Peas

(*Lathyrus Latifolius*.)

In general appearance these are the same as Sweet Peas, but the flowers are not so fragrant, although they bloom through a long season; are perfectly hardy and will live for years.

White or Mixed Pkt., 10c.; oz., 35c.

Flower Seeds—Continued

SCHIZANTHUS.

Beautiful, garden annuals, flowers charmingly fringed and delicately colored; one to two feet.

Mixed Colors Pkt., 5c.; ¼ oz., 15c.

SCABIOSA.

(Sweet Scabious, or Mourning Bride.)

Free-flowering annuals; colors, white, carmine, lilac, maroon, etc. Very effective for garden decoration and valuable for cutting; one foot.

Dwarf or Tall Double. Mixed colors Pkt., 5c.; ¼ oz., 15c.

SMILAX.

Charming, tender, perennial climber for greenhouse or window gardens. The foliage and stems are of a pleasing, light green; very graceful. Excellent for decoration. (See plants.) Pkt., 10c.; ¼ oz., 25c.

SNAPDRAGON.

(*Antirrhinum*.)

One of the most useful and showy of border plants. Of almost every color, and striped as beautifully as Carnations. They have recently been much improved, and are now really magnificent. Hardy perennial.

Tall, Finest Mixed Pkt., 5c.; ¼ oz., 20c.

Dwarf, Finest Mixed Pkt., 5c.; ¼ oz., 20c.

Pure White. Dwarf Pkt., 10c.; ¼ oz., 30c.

Firefly. Dwarf; best scarlet .. Pkt., 10c.; ¼ oz., 30c.

STATICE (Sea Lavender).

Beautiful for winter bouquets. Flowers very pretty.

Annual Varieties. Mixed Pkt., 5c.

Perennial Varieties. Mixed Pkt., 5c.

STIPA PENNATA.

Feather Grass. Grown for their plumes. Pkt., 10c.

STOCKS.**DOUBLE TEN WEEKS.**

These popular flowers are easily grown, and are so highly fragrant and of such great beauty that they deserve a place in every garden. They are great improvements over the Giliflowers of the olden times, the flowers being much larger and more densely double, and a much larger variety of colors.

Dwarf Large Flowering. White, Scarlet, Rose, Light Blue or Mixed.....	Pkt., 10c.; 1/8 oz., 50c.
Emperor, or Perpetual. Mixed	Pkt., 10c.; 1-16 oz., 50c.
Winter, or Brompton. Mixed	Pkt., 10c.; 1-16 oz., 50c.
Giant Perfection. Handsome pure white	Pkt., 15c.; 1/8 oz., 50c.
Giant Perfection. Double mixed	Pkt., 10c.; 1/8 oz., 75c.

SWEET WILLIAM.

(Dianthus Barbatous.)

A well-known, remarkably free-flowering plant, of brilliant colors, ranging from snow white to darkest crimson and purple. They emit a very delicate and refreshing fragrance. Hardy perennial.

Single Mixed. Very beautiful	Pkt., 5c.; 1/4 oz., 25c.
Dunetti. Dark crimson, single	Pkt., 5c.; 1/4 oz., 30c.
Pure White. Single	Pkt., 5c.; 1/4 oz., 25c.
Double Mixed	Pkt., 10c.; 1/4 oz., 25c.



Stocks.

SUNFLOWER (Helianthus).

Stately growing annuals with immense golden yellow flowers; effective for garden decoration.

Double Dwarf Variegated. Leaves beautifully spotted with yellow ... Pkt., 5c.; oz., 25c.

Double Dwarf. Covered with three-inch double flowers of brightest golden yellow .. Pkt., 5c.; oz., 20c.

Globulus Fistulosus. Saffron, very large, double and handsome. Pkt., 5c.; oz., 25c.

Multiflora. Beautiful, double yellow flowers .. Pkt., 5c.; 1/4 oz., 25c.

Argyrophyllus (Texas Silver Queen). Has handsome silver foliage and a profusion of small, elegant single flowers .. Pkt., 5c.; oz., 30c.

Mammoth Russian. See Field Seeds.

SWEET SULTAN (Centaurea).

Favorite annual of easy culture. Showy for the garden and greatly prized for bouquets. The large heads of bright flowers are very fragrant; 1 1/2 feet.

Mixed Colors. Purple, white, etc.... Pkt., 5c.; 1/4 oz., 15c.

SWEET ROCKET (Hesperis).

An old hardy garden favorite. Fragrant white flowers; 2 to 3 feet.

Pkt., 5c.; 1/4 oz., 20c.

THUNBERGIA.

Rapid - growing annual climbers; splendid for trailing over trellises, fences, etc.; beautiful flowers borne in profusion; buff, white, orange, etc.; four to six feet high.

Mixed Colors .. Pkt., 5c.; 1/4 oz., 25c.

TRITOMA.

Sometimes called Red Hot Poker. This is a fine, handsome plant. It is hardy, though requiring some protection through winter. The flowers are produced in large spikes of brilliant, rich flowers. Cut flowers keep a long time. Half hardy perennial

Uvaria. Dazzling orange red Pkt., 15c.



Thunbergia.

April 25, 1904.

Portland Seed Co.

The Plants and Seeds came in splendid condition. Thanks for the extra seed.

GEO. W. PARK,
Middle Valley, Idaho.



Violet.



Tritoma.



Verbena.

VERBENA.

Very few annuals will make such a gorgeous display during the summer months, or furnish more flowers for cutting, than the Verbena. Start seed in the house or under glass early in the spring, and transplant after three or four inches of growth. They flower in July and continue strong and healthy until destroyed by frost.

Hybrida. Choicest; very finest mixed

Pkt., 10c.; 1/4 oz., 50c.
Mammoth. Selected; extra large, fine; mixed... Pkt., 10c.; 1/4 oz., 60c.

Candidissima. White .. Pkt., 10c.; 1/4 oz., 50c.

Scarlet Defiance. Fiery scarlet Pkt., 10c.; 1/8 oz., 50c.

Striped. Each .. Pkt., 10c.
Coerulea. Bright blue .. Pkt., 10c.

Yellow. Primrose color .. Pkt., 10c.

LEMON VERBENA.

Every garden should have a few plants of this fragrant favorite. Its pale green foliage goes well with any flower. Pkt., 10c.

VINCA.

Tender perennial. Fine for pot culture. Flowers white and pink.

Mixed .. Pkt., 10c.

VISCARIA (Rose of Heaven). Their profuseness of bloom will always rank them among general favorites.

Fine Mixed .. Pkt., 5c.

VIOLETS.

Viola odorata is the well-known English Violet, a free flowering, hardy perennial. Easily grown from seed, though somewhat slow in germinating; succeeds best in partially shaded, moist place.

Odorata Blue. Very fragrant Pkt., 10c.; 1/4 oz., 50c.

Odorata White. Very fragrant Pkt., 10c.; 1/8 oz., 50c.

Odorata. Finest mixed .. Pkt., 10c.; 1/4 oz., 75c.

WALL FLOWER.

(Cheiranthus cheri.) Produces spikes of beautiful, exceedingly fragrant flowers. Half hardy perennial.

Mixed. Single, large flowering .. Pkt., 5c.; 1/8 oz., 25c.

Parisian Forcing. Single .. Pkt., 10c.

Finest Double Mixed .. Pkt., 10c.; 1/8 oz., 75c.

VALERIANA.

Fine border plants; sweet scented flowers. Pkt., 5c.

VIRGINIAN STOCK.

A fine, early flowering plant. Hardy annual. Pkt., 5c.; 1/4 oz., 15c.

XERANTHEMUM.

Everlasting flowers. Hardy annual. Pkt., 5c.

Double Mixed .. Pkt., 5c.

ZEA (Ornamental Maize). Japonica Variegata. Finest mixed. All varieties. Pkt., 5c.

Gracillima. Gigantea mixed .. Pkt., 5c.

ZINNIA ELEGANS.

Of easiest cultivation and should be in every collection. Half hardy annuals.

Tall Double. Mixed .. Pkt., 5c.; 1/4 oz., 25c.

Dwarf Double. Mixed .. Pkt., 5c.; 1/8 oz., 25c.

Dwarf Scarlet .. Pkt., 10c.; 1/8 oz., 25c.

Lawn Grass Seed



NOTHING ADDS A GREATER AIR OF REFINEMENT TO A HOME THAN A WELL-KEPT LAWN.
ARE YOU PROUD OF YOURS?

Portland Seed Co.'s "Diamond Brand" Fancy Mixed Lawn Grass Seed

To have a good lawn, the soil must be fine and rich, and well leveled. Then the best seed obtainable should be used on it. You must not expect to make a fine lawn with cheap seed. The best lawn grass mixture will cost more at first than the poorer substitute, but it will be found much cheaper and more satisfactory in the end. Sow our "Diamond Brand" Fancy Mixed Grass Seed. None better.

To keep the lawn in fine condition it is necessary to feed it well by frequent and liberal applications of a fertilizer rich in the elements of plant food. Such is found in our Lawn Fertilizer. (See page 84.) A richer, deeper, darker and in every way a finer lawn, can be secured by the use of our Lawn Fertilizer than by the best barnyard manure, and in using it you run no risk of introducing weed seeds, which, when once established in a lawn, you will find almost impossible to get rid of.

More fine lawns in the Northwest have been made from Portland Seed Co.'s Mixtures than from any other. We use only the choicest, re-cleaned, heavy, grass seeds. Our seed will produce a fine, thick, velvety lawn in a few weeks time if you prepare the ground properly, and sow the seed thickly. Don't buy cheap seed. It only means a poor lawn. Sow our seed at the rate of one pound to twenty feet square; 10 to 15 pounds to the average city lot.

Per lb., 25c.; postpaid, 35c.; by express or freight, 10 lbs., \$2.25.

Fine Mixed Lawn Grass

This is a good, clean mixture, composed of hardy, compact growing grasses, and for the price is of good value.

Per lb., postpaid, 25c.; by express, 10 lbs., \$1.50.

GRASS AND CLOVER SEEDS

The farmers and stockraisers should, and are, turning their attention to the raising of more grass, clover, grain and forage plants. There are a great many of these seeds offered by Eastern seedsmen (often under new names), that do not produce profitable crops here. We have prepared for you a list of the kinds that are best adapted to this Coast, and by carefully perusing this and the following pages you will get valuable information that has taken years of study, trial and experimenting to procure.

We also wish to impress on your minds the fact that the seeds we offer you are all carefully grown, harvested and cleaned by experts in this line of work, and you can rely on getting the very best in the market if you send US your orders.

PRICES

Prices per single pound include postage. Prices per hundred pounds are only printed so as to give you a general idea of the average selling prices.

YOU WILL ALWAYS GET YOUR MONEYS WORTH.

Grass Seed prices are continually changing; therefore we cannot print prices good for any length of time. When ready to buy, write us for special prices, stating quantity, or order what you want at catalog prices. We guarantee that we will give you full value for the money sent, whether the price at the time you order be higher or lower. In other words, we will always ship seed to cover the full amount of money sent to us.

Alfalfa or Lucerne Clover

(Medicago Sativa.)

The immense cattle and sheep interests of the Western States could not exist if it were not for Alfalfa. It is no doubt one of the best fodder plants in the West. It should be cut just before coming into bloom. The hay is especially valuable for dairy cows. As soon as cut it immediately commences to grow, and during the hottest and driest weather, when other grasses are parched and withered, it remains fresh and green and grows as rapidly as ever. On the low lands it is not an unusual thing to harvest five or six crops of hay from the same field in one season without irrigation, and the same result is obtained on high, dry lands where irrigation is resorted to. Notwithstanding its great yield, it does not exhaust the soil, but rather improves it, making barren land fertile and productive. It will not succeed on hard, clayey soils. It sends down a strong tap root, and soils suited to this peculiarity of the plant are best adapted to its complete success. Its roots, in seeking moisture, penetrate to incredible depths.

Alfalfa will grow anywhere from about sea level to 7000 feet elevation. It succeeds best in soil rich in lime, potash and phosphoric acid.

Sow from 15 to 20 pounds of seed to the acre, and harrow or brush it in well. Seeding thick will produce fine stalks—a desirable feature, either in hay or pasture. The seed should be sown in spring, after danger from freezing the young plants is over, or in the fall, early enough to give it a good stand before frost.

Per lb., postpaid, 30c.; 100 lbs., \$16.50.

Turkestan Alfalfa

This new Alfalfa, introduced from Turkestan, has been experimented with more or less for the past few years. In some places it has proved a great success. In general appearance it is very much like our regular Alfalfa. It is claimed that it will produce a luxuriant growth in the driest and hottest sections, without irrigation. It is perfectly hardy and will stand extreme cold in winter without harm. It yields a very heavy and rich crop of hay and makes a permanent pasture.

We have secured a good stock of the pure, genuine seed, which we offer at the following prices:

Per lb., postpaid, 35c.; 100 lbs., \$21.00.

New Dry Land Alfalfa

For High, Dry, Hot Land.

We are now able to offer in quantity this new Dry Land Alfalfa, which will produce large, profitable crops of hay and excellent pasture on the high, dry lands of Eastern Oregon, Washington, Idaho and Utah. This is especially recommended for the hills and plateaus which are above irrigation ditches or in sections where irrigation is impossible. This new "Dry Land" Alfalfa is what might be called "a new strain, acclimated to dry land."

One well-known stockman writes: "I have from ten to 15 thousand head of sheep, and except to winter them with practically no loss. I have demonstrated the feasibility of raising Alfalfa on upland without irrigation, and have an abundance of feed. Dry Land Alfalfa is a success beyond all question. I have between 40 and 50 acres which produce from three to four tons per acre. I advise its culture over all the semi-arid districts of Oregon."

CULTURE.—Before seeding, you should put your ground in the best possible condition. Summer fallow land is usually preferred. If that is not practicable, then plow the ground about ten inches deep. A good plan is to plow in the fall for spring sowing. As soon as the conditions permit in the spring, harrow very thoroughly and get the surface of the ground in as fine shape as possible. Sow early, after danger of frost is over, and drill the seed in not over an inch deep at the rate of about 20 pounds to the acre. Cross-harrow lightly; then roll or clod-smash, if possible. Broadcast sowing is not recommended. One of the most essential things to look out for is perfect drainage. This is necessary in order to make a success of any alfalfa crop.

We have succeeded in getting several carloads of this new genuine Dry Land Alfalfa grown for us. It comes from the highest, driest alfalfa sections, and is very superior seed.

Per lb., postpaid, 35c.; 100 lbs., \$17.75.

Send to the O. R. & N. Co., Portland, Oregon, for copy of Bulletin No. 1. It contains a valuable and interesting report on this new Alfalfa; also Grasses and Corn.

Red Clover

(Trifolium Pratense.)

The standard Clover for all purposes, either pasture, hay, or for improving and enriching the soil. It is hardy and succeeds well on any good soil. It yields the heaviest crop of any Clover except Alfalfa, and makes superior hay—especially if mixed with Timothy—either for dairy cows or for general use. Sow from twelve to fifteen pounds per acre, being careful to get it evenly distributed over the ground.

Per lb., postpaid, 27c.; 100 lbs., \$15.00

White Dutch Clover

(Trifolium Repens.)

A small variety, having a white blossom. It is of a vining nature, spreading rapidly and will soon cover bare spots if the stand be uneven. It does not attain sufficient height to be profitable for hay, but is superior for pasture, either for cattle or sheep, and unsurpassed for the production of honey. It also makes a beautiful lawn when mixed with Blue Grass. If sown alone, use six to eight pounds per acre.

Per lb., postpaid, 35c.; 100 lbs., \$20.00.

Fancy for lawn.

Per lb., postpaid, 40c.; 100 lbs., \$25.00.

GRASS SEEDS FOR PACIFIC COAST

We are equipped with the latest and best facilities for handling the rapidly increasing grass seed trade. Without doubt we have sold more Grass and Clover Seeds this past season than any other two or three firms located here.

Grass Seed Prices subject to change without notice. See note on page 48.

Timothy

(Phleum Pratense.)

This is the most valuable of all grasses for hay. Thrives best on moist, loamy soil. Sow early in the spring or fall, at the rate of twelve pounds per acre, if alone, but less if mixed with other grasses. A bushel weighs 45 pounds.

Per lb., postpaid, 20c.; 100 lbs., \$5.50.



Buy your Grass Seed of us,
and get clean, new crop seed



ALSIKE CLOVER.

MAMMOTH RED CLOVER.

This variety grows five to six feet high, and is used almost exclusively for plowing under for manure. Sow from twelve to fifteen pounds per acre.

1 lb., postpaid, 30c.; 100 lbs., \$16.00.

ESPERETTE, OR SAINFOIN.

(Onobrychis Sativa.)

A deep rooting, perennial legume, extensively cultivated on dry, calcareous soils which are too barren for Clover or Alfalfa. It is rather difficult to establish, as the plants are easily killed when young, but when once rooted, will live from ten to twenty-five years. Sow 50 pounds per acre.

Per lb., postpaid, 30c.; 100 lbs., \$15.00.

Alsike, or Swedish Clover

(Trifolium Hybridum.)

A perfectly hardy variety which is rapidly growing in popular favor. It yields large crops of excellent hay, and under favorable conditions may be cut several times during the season. It is also valuable for bees. It is well calculated to resist both drought and excessive moisture. The hay of this variety is greatly preferred by some to that of Red Clover, for the reason that it is generally finer, brighter and not so dusty, making it better for horses. It is perennial and produces a mass of long, fibrous roots, which hold the soil, making it useful for permanent pasture on hill-sides which are liable to wash. When used alone sow from eight to ten pounds per acre.

Per lb., postpaid, 30c.; 100 lbs., \$15.75.

Bokhara, Sweet or Honey Clover

(Melilotus Alba.)

A rapid growing, white flowered sort; excellent for bees. Sow ten pounds per acre.

Per lb., postpaid, 40c.; 100 lbs., \$23.00.

Crimson, or Scarlet Clover

(Trifolium Incarnatum.)

Highly commended for pasture, and fertilizing purposes. It is a thrifty annual, growing from twenty to thirty inches high, and has a beautiful, crimson bloom. It germinates quickly, grows rapidly, and stools abundantly. Sow from twelve to fifteen pounds to the acre, and harrow in with a light harrow. Cut for hay when in full bloom.

Per lb., postpaid, 25c.; 100 lbs., \$10.00.

Orchard Grass

(Dactylis Glomerata.)

One of the most valuable of all the cultivated grasses, blooming with Red Clover, and making with it admirable hay. As a pasture grass it is more productive than any other, and does best under close feeding. Sow twenty-five pounds to the acre.

Per lb., postpaid, 30c.; 100 lbs., \$15.00.

Grass Seeds—Continued

Kentucky Blue Grass

(*Poa Pratensis*.)

One of the best grasses for permanent pasture, furnishing a constant supply of the most nutritious feed during the greater part of the year. It is perennial, and in warm localities, where the ground is kept moist, if it is pastured or frequently cut to prevent the seed from ripening, will continue to grow luxuriantly the entire year.

For Lawns—Blue Grass is used very extensively for lawns and is found in all lawn grass mixtures. It is the best grass known for lawns and parks, and where covered with a light dressing of Lawn Fertilizer (see index), watered well and evenly, and cut frequently, will furnish a handsome, velvety lawn for years, requiring no resowing. For pasture, sow 25 to 30 pounds to the acre, but to secure a fine lawn much heavier seeding is required, and not less than 80 pounds should be sown.

Per lb., postpaid, 30c.; 100 lbs., \$13.00.

BLUE GRASS, CANADA.

(*Poa Compressa*.)

Differs from the Kentucky variety in its flattened, wiry stem. Because of its creeping root stocks, it forms a fine turf; recommended in all pasture mixtures on dry soil; thrives well on clay or hard trodden and poor soil.

Per lb., postpaid, 30c.; 100 lbs., \$13.00.

English Rye Grass

(*Lolium Perenne*.)

A strong growing, hardy perennial grass, noted for its nutritive qualities. Is equally valuable for both grazing and hay, and will succeed on any good, tillable land.

For Lawns this is used and recommended by many of the best gardeners. If sown thickly it makes a fine lawn, and for large grounds and parks is very successful. Does not require the close care that Blue Grass does, and will flourish better under trees and in shady localities. For field crop, sow 30 to 40 pounds to the acre, and if used for lawns, not less than 80 pounds.

Per lb., postpaid, 20c.; 100 lbs., \$8.00.

Italian Rye Grass

(*Lolium Italicum*.)

A quick growing grass, attaining a height of 2½ to 4 feet; very desirable for meadows or permanent pastures. Thrives best on soils that are slightly moist, and will even stand considerable overflow. If farmers knew the merits of this grass better, we are sure they would grow it more extensively and also in the place of cheat, as it produces equally as heavy and a much finer, superior crop. Grows easily and bears an abundance of foliage that makes the best and sweetest hay imaginable. Sow in the fall or spring, at the rate of 20 pounds per acre.

Per lb., postpaid, 25c.; 100 lbs., \$9.00.

Don't overlook the good books we offer on page 98. The successful farmer read them.

IT DOES NOT PAY

To buy cheap Grass Seed just to save two or three cents per pound. What does it amount to? Comparatively nothing. You may save twenty-five or fifty cents per acre at seeding time, but you will have a ton or two less hay at cutting time.

Red Top

(*Agrostis Vulgaris*.)

A good perennial grass. Generally sown for permanent pastures. Does best on moist or even marshy land. If the ground is not, overflow land it is advisable to mix it with Meadow Fescue, Orchard Grass, or Alsike Clover. Sow 30 pounds to the acre.

Prime Seed, Per lb., postpaid, 20c.; 100 lbs., \$6.00.

Fancy Clean, Extra Heavy.

A very superior grade of Red Top that is free from chaff and light seed. One pound of this is better than three of the common. Sow 12 pounds per acre.

Per lb., postpaid, 30c.; 100 lbs., \$13.00.

MESQUITE.

(*Holcus Lanatus*.)

It is usually sown on virgin soil, without cultivation, after the ground has been burned over. Sow about 35 pounds to the acre.

Per lb., postpaid, 25c.

Bromus Inermis

(Russian Forage Grass—Awnless Bromo Grass.)

This Bromus, on account of its strong perennial character, and its unusual drouth-resisting powers, is the best grass we have for the semi-arid regions of the Northwest. It will stand the longest drought of all forage plants. Its running roots take a deep and permanent hold upon the land, and it will replace, in a large degree, the fast disappearing Bunch Grasses of Eastern Oregon and Eastern Washington, where it has done well. It grows luxuriantly, is freely eaten in either the dry or green state by cattle, and yields enormously, making the best of hay for horses or cattle. It is a perennial and yields from four to six tons to the acre. Can be sown in the fall or spring. Sow twenty to thirty pounds per acre.

Per lb., postpaid, 30c.; 100 lbs., \$12.50.

100-lb. Grass Seed prices subject to change without notice. See note on page 48.

BROMUS SCHRADERI.

(Rescue Grass.)

Also known as *Bromus Unioloides*. It is well adapted to moist, low lands, and gives a large yield of excellent hay in a short period of time, after which it makes green pasture for the balance of the season. The quickness with which it covers the ground and makes pasture or hay after seeding makes it one of the most valuable of grasses. Two or three crops of hay can be cut in a single season.

Per lb., postpaid, 40c.; 100 lbs., \$25.00.



Orchard Grass.



Timothy.



Italian Rye Grass.



Kentucky Blue Grass.

Broadcast Seed Sowers are now so reasonable in price that every farmer can afford one. See page 76.

Grass Seeds—Continued

Meadow Fescue

(Festuca Pratensis.)

A perennial variety growing three or four feet high. Its roots deep, thus resisting drought better than most grasses. It succeeds on any ordinary soil; yields a heavy crop of superior hay; one of the best grasses for pastures. Valuable to mix with other kinds. Use 30 pounds per acre when sown alone.

Per lb., postpaid, 25c.; 100 lbs., \$10.00.

TALL MEADOW OAT GRASS.

(Avena Elatior.)

Often attains a height of three or four feet by the middle of June. Makes splendid hay and thrives on sandy loam, but makes its best growth where there is some clay. Can be fed as a pasture grass, and will generally bear cutting three times. For mixing with Perennial Rye and Alfalfa for sandy soils it is excellent. Sow about 30 to 40 pounds per acre alone, or half that amount if mixed with the above varieties.

Per lb., postpaid, 35c.; 100 lbs., \$20.00.

JOHNSON GRASS.

(Sorghum Halepense.)

A perennial of luxuriant growth. It has strong roots that penetrate to considerable depth, enabling it to withstand drought well. It belongs to the Sorghum family and is sweet and nutritious and much relished by stock.

Per lb., postpaid, 35c.; 100 lbs., \$15.00.

PHALARIS REED CANARY GRASS.

Will Grow on the Wettest Land You Have.

A grass that will grow on stiff, wet land, even if the ground is overflowed for a month or six weeks. Very valuable for the low lands along the Columbia and Willamette Rivers. It is little affected by either drought or cold and thrives well in the shade. The roots are very strong and creep extensively, making this grass particularly valuable for binding river banks. Makes a good hay if cut early in the season. Sow 10 pounds per acre.

Price, 1/2 lb., 45c.; 1 lb., 90c., postpaid; by freight 5 lbs., \$3.75.

CREEPING BENT GRASS.

(Agrostis Stolonifera.)

Well adapted for sandy pastures, near the coast, and good for pasture on low lands, especially when the bottoms are sandy; also for lawns, as it makes a fine and enduring turf. If sown alone, use 25 pounds per acre.

Per lb., postpaid, 40c.; 100 lbs., \$25.00.

RHODE ISLAND BENT GRASS.

(Agrostis Canina.)

This somewhat resembles Red Top. It makes a close sod and is valuable for permanent pastures and meadows.

Per lb., postpaid, 40c.; 100 lbs., \$25.00.

FOWL MEADOW.

(Or False Red Top.)

It yields well when sown on low, moist land, and stands longer in good condition for cutting than most grasses. It can be mowed almost any time from July to October. Sow 25 pounds to the acre, in the spring or fall.

Per lb., postpaid, 40c.

June 4, 1904.

Portland Seed Co., Portland, Oregon.

Gentlemen: Enclosed please find my second order, which please send as soon as possible. The plants I got from you are doing nicely, and the Turkestan Alfalfa came up fine.

MRS. E. DONAHUE, Ager, Cal.

BERMUDA GRASS.

(Cynodon Dactylon.)

Suitable only for climates where the winters are not below the freezing point. It stands the hottest and driest season, and for summer pasture is very valuable. Sow 6 pounds per acre.

Per lb., postpaid, 95c.

HARD FESCUE.

(Festuca Duriuscula.)

A fine, rather dwarf growing variety, justly noted for its drought-resisting qualities. Prized by some for lawns. Valuable as a pasture for sheep. Sow 20 pounds per acre.

Per lb., postpaid, 35c.; 100 lbs., \$20.00.

FLOATING FESCUE.

(Festuca Fluitans.)

A perennial with long, creeping roots and preferring a rich, muddy or alluvial soil. Trout and wild ducks are very fond of the seed and tender shoots.

Per lb., postpaid, 45c.

SHEEP'S FESCUE.

(Festuca Ovina.)

Grows freely in high, dry and open pastures. Its chief merit for sheep pasture is that it occupies land where better grasses refuse to grow. Thirty-five pounds to the acre.

Per lb., postpaid, 35c.

WATER FESCUE.

(Glyceria Fluitans.)

This grass grows naturally in and beside ditches, pools, rivers and marshes. All stock likes it.

Per lb., postpaid, 45c.

ROUGH-STALKED MEADOW GRASS.

(Poa Trivialis.)

A most valuable grass which flourishes in moist, rich soils. Twenty pounds to the acre.

Per lb., postpaid, 35c.

SWEET VERNAL.

(Anthoxanthum Odoraturn.)

Valuable to put in pasture mixtures and lawn grass on account of its earliness and its delightful fragrance when in bloom.

Per lb., postpaid, 35c.; 100 lbs., \$20.00.

CRESTED DOG'S TAIL.

(Cynosurus Cristatus.)

A perennial grass with short, narrow leaves, particularly valuable for lawns or pastures on dry, light land.

Per lb., postpaid, 55c.; 100 lbs., \$40.00.

MEADOW FOXTAIL.

(Alopecurus Pratensis.)

One of the very best for permanent pasture. Stands intense summer heat without burning. Sow 25 pounds to the acre.

Per lb., postpaid, 45c.

Single pound prices on Grass Seed include postage. In ordering by freight deduct 10c. per lb. Hundred pound prices subject to change. See page 48.



Bromus Inermis.



Meadow Fescue,
or English Blue Grass.



English Rye Grass.



Tall Meadow Oat Grass

Field and Miscellaneous Farm Seeds



Single pound prices include postage. If ordering by freight or express, deduct 10c. per lb.; 100-lb. prices subject to market changes. Seed to cover amount remitted, always sent unless otherwise ordered. Special prices on large quantities.

Australian Salt Bush

Best Forage Plant for Arid Soils.

This is a most wonderful forage plant, as it will grow freely in arid and alkali lands that will produce no other vegetation, yielding a marvelously liberal foliage which is eagerly eaten by all kinds of stock. It is of creeping habit. It has been proved that after three or four crops have been grown on alkali land that the soil is then capable of producing any other vegetation. This plant has been very extensively tried at the California Experimental Station, where single plants, grown on the poorest alkali ground, have reached a diameter of 16 feet in one season. One pound of seed will plant an acre if evenly scattered over the surface. The seed should be mixed with ten times its weight of sand or ashes to facilitate its distribution. Sow the seed in the fall or spring (winter sowing is not desirable), before a rain if possible, on well pulverized soil, and cover it lightly (about one-eighth of an inch) with a light harrow or bush. If desired, plants may be grown by sowing the seed in boxes or garden bed, covering lightly, and planting the seedlings when desired, when from two to three inches high, six to seven feet apart. If the weather is dry when transplanting, supply a little water to each plant.

Pkt., 5c.; oz., 15c.; 1/4 lb., 60c.; lb., \$1.80, postpaid. Special price in quantity.

Artichoke Tubers

Planted and cultivated same as potatoes. Of great value for feeding stock. They are the best hog feed known. They are remarkable for their fattening properties, great productiveness (over one thousand bushels having been raised on one acre) and ease with which they can be grown. They need not be dug. If hogs are turned in on them they will help themselves by rooting. One acre will keep from twenty to thirty hogs in fine condition from October until April, except when the ground is frozen too hard for them to root. They are also said to be a preventive of cholera and other hog diseases, and they are also highly recommended for milch cows, increasing the yield of milk and at the same time improving their condition. Plant in April or May, two bushels to the acre.

Per lb., postpaid, 15c.; 100 lbs., \$2.00.

If wanted in larger quantities write for special prices.

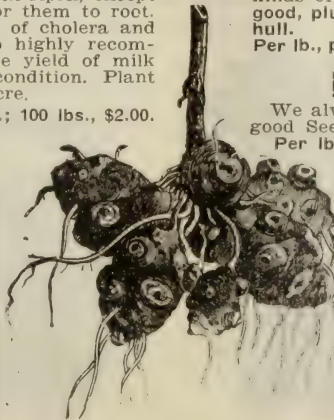
We are offering two grand new Oats this season, that you can not afford to overlook. See

"GREAT WESTERN"

and

"OREGON BOUNTY"

on page 54.



ARTICHOKE TUBERS.

Broom Corn

IMPROVED EVERGREEN.

An improvement on the common Evergreen. Does not grow as tall as the old variety. The brush is fine and of light green tint.

Per lb., postpaid, 25c.; 100 lbs., \$8.50.

Bird Seed

Not for Planting.

P. S. Co.'s Best Mixed	Per lb., postpaid, 20c.
Canary—Best Re-cleaned	Per lb., postpaid, 20c.
Hemp	Per lb., postpaid, 20c.
Millet	Per lb., postpaid, 20c.
Rape	Per lb., postpaid, 20c.
Cuttle Bone. Large Bone	Postpaid, 2 for 5c.

Barley

BEARDLESS.

The earliest barley known. The straw is about the height of the common barley, but better, and will stand up on any land; with good season and land has produced 80 bushels per acre. Sow as early as you can; frost does not hurt it. Many farmers will not grow barley on account of the long, harsh beards which are so disagreeable in threshing, although it is a profitable crop. This is beardless, and as easy to grow and handle as oats. It is becoming more popular each season.

Per lb., postpaid, 15c.; 100 lbs., \$2.25.

Chevalier Barley

A Great Improvement on the Regular Barley.

This is much earlier, free from rust and an enormous yielder. Will outyield common barley two or three times. It stands up well and seems to be adapted to all kinds of soil. The heads are always filled with good, plump, heavy grains that have a very thin hull.

Per lb., postpaid, 20c.; 50 lbs., \$1.25; 100 lbs., \$2.25.

Common Barley

We always aim to have a nice, clean stock of good Seed Barley on hand at all times.

Per lb., postpaid, 15c.; 100 lbs., market price.

BUCKWHEAT—See next page.

Cheat Seed

Cheat makes a good crop on low lands. Can be planted in the fall or spring. Sow same as oats, 100 pounds per acre. Demand for Cheat Seed is heavy and supply short this season. For hay it should be cut before it gets too ripe.

Per lb., postpaid, 15c.

Field and Miscellaneous Farm Seed—Continued

Buckwheat

Common.

Per lb., post-paid, 15c.; 100 lbs., \$2.75.

SILVER HULL.

A very good and popular variety. Grain is of a light gray color, rounder than the common; has a thin husk; matures earlier and yields heavy. A good milling variety.

Per lb., postpaid, 15c.; 100 lbs., \$3.00.

JAPANESE.

This variety excels all others; yield much heavier; ripens one week to ten days earlier, stands up better and makes better flour. Excellent for bee pasture.

Per lb., postpaid, 15c.; 100 lbs., \$4.00.

Corn Wheat

(Or German Roggen.)

This new cereal has been gaining in popularity very rapidly the last few seasons. It is claimed that it will out-yield corn and double the yield of wheat. The kernel is hard, and when ground it makes the same kind of meal as corn, and has superior fattening qualities to either corn or wheat. It yields 50 to 100 bushels of grain which is excellent for fattening hogs or cattle. It takes the place of rye for a green food, yielding nearly twice as much per acre. Every farmer should give this a trial. Prepare your ground the same as you would for oats or wheat, and sow in the spring or fall, at the rate of 75 to 100 pounds to the acre.

Price, of Seed: Per lb., postpaid, 20c.; by freight or express, 10 lbs., 75c.; 100 lbs., \$5.00.

Cow Pea

These so-called "Cow Peas" are really a small bean of strong running growth, with a large and abundant glossy, dark-green foliage. Most desirable for enriching the soil and for furnishing a large crop of nutritious forage. These so-called "Cow Peas" gather quantities of nitrogen from the air, a portion of which is conveyed to the soil by the roots, but a much larger amount can be stored in the soil for fertilizing by allowing the vines to die down and plowing them under. They yield as high as five to nine tons of green feed per acre. The vines may be cut either for feeding green or can be cured like clover for winter use. Sow two bushels per acre.

WHIP-POOR-WILL.

The earliest maturing variety of upright or bush growth. The seeds may be gathered and the plants harvested more readily than with the running type of growth.

Per lb., postpaid, 20c.; by freight or express, 10 lbs., 90c.; 100 lbs., \$7.50.

CLAY COW PEA.

These vine more than the Whip-Poor-Will and are most desirable for ensilage; for this purpose the seed should be planted in the hills with field corn, as the vines running up the corn-stalks are easily harvested and the combination of corn-stalks and bean vines makes excellent ensilage, and the land is more readily cultivated than where the Cow Peas are sown alone.

Per lb., postpaid, 20c.; by freight or express, 10 lbs., 85c.; 100 lbs., \$7.00.

EARLY BLACK EYED COW PEA.

Quick grower. Peas white, with black eye. A good cropper and an excellent soil enricher.

Per lb., postpaid, 20c.; by freight or express, 10 lbs., 85c.; 100 lbs., \$7.00.

Field Peas

Field Peas are a very profitable crop and are grown here very extensively. They can be grown alone or with oats. When planted with grain and cut green they make a large amount of very rich feed; also very valuable for enriching the soil if plowed under. The dry peas make excellent hog feed and are quite fattening. Sow, if alone, 120 pounds to the acre; if with other grain, 60 pounds.

WHITE CANADIAN.

A leading kind; seed almost white; a heavy cropper.

Per lb., postpaid, 15c.; 100 lbs., \$3.00.

BLUE PRUSSIAN.

Very much like the above, except in color. This variety is largely sold for soup peas.

Per lb., postpaid, 15c.; 100 lbs., \$3.25.

SWISS.

A three-cornered pea; excellent for cooking purposes. Vines small. One peculiarity of these peas is that they are never infected with bugs.

Per lb., postpaid, 20c.; 100 lbs., \$4.75.



JAPANESE BUCKWHEAT.

Portland Seed Co.

February 22, 1904.

Gentlemen: The Corn Wheat we purchased of you last year did just fine. Yours respectfully,
W. A. PREWETT, Parkersburg, Oregon.

Flax Seed

Re-cleaned for planting.

Per lb., postpaid, 20c.; 100 lbs., \$5.00.

Flax for other purposes. Per lb., 20c.; 100 lbs., \$4.00.

Ground Flax, for medicinal uses. Per lb., 25c.

Flax Seed Meal, for feeding purposes. 100 lbs., \$1.75.

Special prices in quantity.

Idaho Pea or Coffee Berry

A forage plant, valuable for semi-arid lands. Yields excellent crops of feed for horses, cattle, sheep and poultry. The peas, when nicely browned and ground, make an excellent beverage.

Per lb., postpaid, 25c.; 100 lbs., \$6.00.

Kaffir Corn

An excellent fodder plant, yielding a large crop of fodder during a season. Grows four to five feet high; upright stalk, with numerous large leaves. Greatly relished by cattle and horses. The seed crop is also heavy, sometimes yielding 60 bushels to the acre. It does best sown in drills three feet apart, using six to eight pounds of seed per acre.

Per lb., postpaid, 25c.; 100 lbs., \$6.00.

Lentils

Succeed best in dry, sandy soil. A leguminous annual, the seeds of which are valuable for pigeons, and are largely used for soups. The leafy stalks make good forage.

Per lb., postpaid, 20c.; 100 lbs., \$6.00.

MILLET SEED. See next page.

A Valuable Book

"FEEDING AND MANAGEMENT OF LIVE STOCK."

This is a very late edition by Thomas Shaw, Professor of Animal Husbandry at the University of Minnesota. A valuable handbook for stockmen and farmers.

This new book is strictly up-to-date and written in such a manner that any one can get the facts without reading unnecessary matter. It takes up the Preparation and Feeding of Food and the Best Methods of Housing, Caring for and Rearing of Live Stock. It covers a subject to which too little attention is given by the average farmer.

Price, cloth bound, \$1.00; postpaid, \$1.10.

For prices of other books, see Book List, page 98.

Prices on Farm and Field Seeds subject to market changes. In quantity write for special prices.

Field and Miscellaneous Farm Seeds—Continued

Millets

Sow in April, May or June, 12 pounds for seed or 20 pounds for hay per acre.

GERMAN, OR GOLDEN.

An improved variety, yielding a larger crop of seed than the Common Millet. It is also taller than the Common, and yields a heavier crop of hay.

Per lb., postpaid, 20c.; 100 lbs., \$4.00.

HUNGARIAN.

A dwarf annual Millet. It is finer than the Common German Millets, but produces a closer stand and yields almost as much per acre as the taller varieties. Superior for hay.

Per lb., postpaid, 20c.; 100 lbs., \$4.25.

OREGON GOLDEN.

An improved variety, medium early, growing from three to five feet high. The heads are closely condensed, though the spikes are very numerous. The seeds are contained in rough, bristly sheaths, and are round, golden yellow and beautiful in appearance.

Per lb., postpaid, 20c.; 100 lbs., \$4.75.

NEW SIBERIAN.

New and wonderfully productive. Extremely hardy and about two weeks earlier than the German Millet, growing about four feet in height.

Per lb., postpaid, 20c.; 100 lbs., \$5.00.

COMMON.

A variety growing from three to four feet high, having rather broad blades and strong stalks. For a seed crop sow fifteen pounds per acre; for hay and pasture use thirty pounds.

Per lb., postpaid, 20c.; 100 lbs., \$3.75.



MILLET.



GREAT WESTERN.

Seed Oats

The country is flooded with poor Seed Oats that are hardly fit to plant, and yield only 20 to 30 bushels of inferior grain per acre. It is better to sell these oats for feed and sow improved varieties that will yield two or three times as much. New Seed Oats will cost you a few dollars more at the start, but the increase in yield will make up the difference and leave you a handsome profit. Try it this season and see for yourself. Read reports, on opposite page, and then figure out the profit.

Two Grand New Oats for 1905 Great Western

A New Oat for Oregon. A Regular Gold Mine.

The earliest Oat in cultivation; may be sown as late as June. Heavy yielder, grain plump, hull thin, meaty kernel, an excellent stouter and stands up well.

Every one who has seen the grain of this new Oat pronounces it at once a very handsome Oat. The grains are extra large, of fine, bright color, short and plump and perfectly smooth and free from beards. We pronounce it the finest looking Oat we have ever seen. The yield, quality and size of the grain this past season—which all farmers know was an "off oat year"—is really a great surprise. This year, which was unusually dry, seemed to have no bad effect on this grand Oat, for the stand was heavy, the straw grew strong, and heads filled out remarkably well. We saw many fields of Oats this year, the result of sowing inferior seed, that were not worth the cutting. There is no question but what it pays to sow high grade, improved, pedigree Oats. What does a few dollars spent in good Seed Oats at planting time amount to, compared with a difference of yield at harvest of 50 to 60, and possibly 100 bushels per acre?

If you want to get a start of these Oats this year, order early, as our stock is limited and not over one sack to a customer this year.

Price, per lb., 25c., or 5 lbs. for \$1.00, postpaid.

By express or freight, peck, 75c.; bu., \$2.00; 3-bu. sack, \$5.00

Oregon Bounty

Awarded First Prize at the last Oregon State Fair.

This is a new Oat offered by us for the first time this season. The original seed was imported from Scotland two years ago, where it has the reputation of being the greatest milling oat in that country, and from our experience with it we believe it will prove equally as valuable here. This a beautiful Oat, of the tree or branching variety; grows quickly and matures early. With an ordinary season and June rains you may expect a crop of 100 to 150 bushels per acre. The past season, without a drop of rain from planting time until harvest, this great Oat threshed 75 bushels per acre. Did you or your neighbors raise oats to equal that this season? We think not. Most oats yielded from 10 to 25 bushels, and some were not even worth cutting. This remarkable Oat makes a grand sight in the field at harvest time. The heads are extra long and carried erect on a long, stiff straw. The grains are long and large with a thin hull, filled with a plump, meaty, fine flavored kernel, unsurpassed for rolled oats or meal. Our stock is quite limited this season, and as we wish to get this new Oat into the hands of as many of our customers as possible, we will not sell any one person more than one sack (3 bushels).

Price, per lb., 25c., or 5 lbs. for \$1.00, postpaid.

By express or freight, peck, 75c.; bu., \$2.00; 3-bu. sack, \$5.00.

Seed Oats—Continued



SHADELAND WONDER.

SHADELAND WONDER BEST OATS EVER RAISED.

Latourelle Falls, Ore., Oct. 28, 1904.

To the Portland Seed Company, Portland, Oregon.

Gentlemen: I wish to say for the benefit of anyone wishing to raise oats that the Shadeland Wonder Oats I purchased of you proved to be the best oats I ever raised, and I have tried a number of varieties.

Under ordinary conditions I raised 80 bushels per acre of splendid looking oats. My crop was admired by all who saw it, and the local demand from my neighbors for seed was greater than I could supply. I consider them the best oats that I have ever raised.

Very truly yours,

C. J. LITTLEPAGE.

Note—You can more than get your money back the next year by selling to your neighbors.

Welcome Oats

The Welcome Oats have proved to be one of the heaviest and handsomest varieties of oats ever introduced. They grow five to six feet high, with strong straight straw, well supporting the enormous heads. The heads are very large and handsome, branching freely on all sides. The grain is remarkably large and handsome, very plump and full, with thin, close-fitting husks. Their uniform success in every part of the country proves their general adaptability to our varied climate, while their early maturity renders them specially valuable.

Per lb., 20c.; 3 lbs.

for 50c., postpaid; per peck, 50c.; per bushel, \$1.25.

This halftone cut, made from a photograph, is a true reproduction of one single head of Shadeland Wonder Oats. Note the large number of oats to the head. The cut is one-half natural size.

Shadeland Wonder

INTRODUCED BY US IN 1902.

Without a doubt the greatest slide Oat in cultivation, yielding from 75 to 150 bushels per acre, an extraordinary yielder and excellent stooler; the straw is stiff and stands up well, and it has a large, white, heavy kernel covered with a very thin hull, making it the "king of all milling oats." The past season has been a hard year on oats, on account of the extreme dryness of the season, but the Shadeland Wonder in every instance has made a record breaking crop. Of course, the yield of these grand oats this year has been lighter than usual, but even under the trying conditions it has outyielded other sorts two to three times. We have received many favorable reports, a few of which we print below.

Price, per lb., 20c., or 4 lbs. for 75c, postpaid.

By express or freight, per peck, 60c.; per bu., \$1.50; 3 bu. for \$4.00.

Any one can afford to plant Shadeland Wonder Oats at these prices when you consider results. Read the following reports:

A 1903 REPORT—161 BUSHELS PER ACRE AGAINST 24.

Portland Seed Company.

Proebstel, Washington.

Gentlemen: Those Shadeland Wonder Oats I bought of you last spring are ahead of anything I ever tried before. They yielded at the rate of 161 bushels per acre, while other Oats planted on the same kind of ground, and at the same time, only went 24 bushels per acre. I was surprised at the yield. The heads were 16 to 18 inches in length, and on one single head I counted 182 kernels. They are certainly grand. Yours truly,

O. A. BROWN.

OVER DOUBLE THE YIELD OF OTHER OATS.

Hampden Grange Farm, Hubbard, Oregon, Oct. 21, 1904.

Portland Seed Company.

Dear Sirs: Regarding Shadeland Wonder Oats, beg to say that the three bushels I bought of you in 1903 were sown on one acre of land. The crop harvested was 64 bushels, machine measure, and weighed 38 pounds per stricken bushel.

I seeded 10 acres this year. Result 45 bushels per acre, machine measure; weight per stricken bushel, 37 pounds. I attribute the smaller yield and falling off in weight this year to the extreme dryness of the season, as we had less than half an inch of precipitation between seeding and harvesting. All other varieties of oats in this section had an average of only 20 bushels per acre. I am, yours truly,

GEO. POPE.

Well Known Oats

In addition to above named oats, we always aim to have a selected, re-cleaned stock of some or all of the following varieties:

American Banner, Shoshone, Mortgage Lifter, Lincoln, New Zealand, Gray and Black Winter Oats.

These oats we aim to sell at about the market price for No. 1 Clean Seed Oats. When ready to buy, write us for prices, stating quantity wanted.

Formaldehyde

A Sure Preventive for Smut in Grain.

This was proved at the Experiment Station; likewise the formula was sent to several farmers to report the result, and all claimed a success last spring.

Formaldehyde will be of great benefit to the farmer. What is it? Well, it is a clear chemical, resembling water, but it has a peculiar odor. It is sold by the pound (pint). One pound is sufficient to treat 40 to 50 bushels of oats. One reliable oat grower says:

"The way I treated my oats was as follows: I poured about 20 bushels of oats on the barn floor; then I poured one-half pound of the Formaldehyde in a five-gallon can of water and sprinkled it over the oats, turning them twice with a scoop shovel, and allowed them to remain 12 to 24 hours, then spread them out to dry."

Oats thus treated will be perfectly free from smut.

Price, per pound can, 75c.

Sent by express or freight only; cannot be mailed.

SELECTED SEED Potatoes SELECTED SEED

Pure
True
Tried
Sorts

Oregon
Grown.
None
Better



PORTLAND SEED CO'S EARLY WHITE PRIZETAKERS

Potato crop is quite short this year, and we will no doubt be out of some kinds early in the season, so kindly mention second choice when ordering.

With no other seed is the importance of change more essential than with Potatoes. By planting OUR SELECTED, WESTERN GROWN, ACCLIMATED STOCK, YOU ARE ASSURED OF EARLY MATURITY, INCREASED YIELD AND VIGOROUS GROWTH.

This year our potato cellar contains the cleanest, smoothest and finest stock we have ever had. Our seed potato trade is rapidly increasing. We have added a few new varieties of great merit to our list, this season, that we can honestly recommend to our customers. We have many customers, North and South, who consider our stock superior to any other.

DAYBREAK (New Potato)

This new potato, brought over from Europe and introduced by us last year, has great merit. "Daybreak Potatoes" are the first to ripen. They are ten days earlier than the earliest. This we know is a very strong assertion to make, but we have grown this new variety in the field side by side with other early potatoes, and it has proved for the past two seasons to really be far ahead in earliness, to all other sorts we have tested. The vines are small and compact in growth, but strong and healthy, and not affected with disease of any kind. The vines die down as soon as the tubers are ripened, and do not make a second growth. Daybreak Potatoes mature so early that the ground can be planted in other vegetables, after the potatoes are dug, thus insuring two crops on the same ground in one season. This novelty is a good cropper, and the tubers are of a good size, for so early a sort. Skin is a pale pink. Stock limited.

Per lb., 30c.; 3 lbs., 75c., postpaid.
per peck, 75c.; per half bushel, \$1.25; bushel, \$2.00.



DAYBREAK (New Potato).

EARLY WHITE PRIZETAKER

This is a new, handsome, early, white potato, which ripens just after the Extra Early Bovee. This is, without doubt, the finest in quality of all extra early potatoes, and the earliest variety of good size. These potatoes are oblong in form, averaging 4 to 5 inches in length, with pure white smooth skin, and few eyes; is a very superior cooking potato, either boiled or baked, and of very finest flavor. It cooks up dry and floury. One advantage of this potato is that it has a white skin and is a good keeper, so that if you do not sell all your crop early, you can sell it on the market for winter potatoes, and they will bring the highest price. We especially recommend this potato to our market gardeners, or those who wish to work up a trade among private families. We advise early planting, as the crop will be larger and better.

To give you an idea of the productiveness of this grand new potato, we might add that one customer harvested 48 bushels from one-eighth of an acre. Almost 400 bushels per acre. We know of no other early potato that can be compared with this one.

Don't fail to get a start of these potatoes.

Per lb., 30c.; 3 lbs., 75c.; postpaid; per
peck, 75c.; half bushel, \$1.25; bushel, \$2.00.

EARLY SUNRISE

Earlier than the Early Rose. Skin a very light pink. The potatoes cook very dry and mealy. One of the best and most popular extra early potatoes grown.

Per lb., 20c.; 3 lbs., 50c.; postpaid; per
peck, 60c.; half bushel, \$1.00; bushel, \$1.50.

We are not mailing POTATO EYES this season, but are sending the whole tuber. See note on following page.

Potatoes—Continued



From Photograph.

American Wonder

A Potato for Main Crop.

The American Wonder is one of the best all-round white Potatoes in cultivation. It is practically blight-proof, a strong grower, a great producer, and one of the best varieties for general field culture. The vines are very strong and branching, with dark green foliage. Tubers white, large, and uniform in size; elongated, slightly compressed, with few eyes, which are nearly flush with the surface. In quality nothing can surpass this variety—either baked or boiled, it is dry and floury, and has a rich, sweet flavor.

While we have known of this variety for several years, we hesitated in cataloguing it, until we were satisfied that it is a potato that would be sought after by our commission men, potato buyers, shippers and dealers. We have taken special pains to obtain the opinion of reliable potato dealers regarding this potato and they say: It's certainly a fine potato, a good keeper, and matures early so that we can make early shipments North, a heavy cropper; will greatly outyield Burbanks, and surpasses them in many ways. We advise extensive planting of this sort.

Per lb., 25c.; 3 lbs., 60c., postpaid; per peck, 60c.; half bushel, \$1.00; bushel, \$1.50.

POTATO EYES BY MAIL

Heretofore we have been sending Potato Eyes only, but from now on we have decided to mail the whole tuber (medium sized ones). There are many reasons in favor of this and we believe it will be more satisfactory to our customers, as they will get more for their money, and the tubers will keep longer than the cut eyes.

Early Maine

For an extra early and heavy crop of choice potatoes, plant the Early Maine. This handsome new potato is almost round; the skin is a deep pink or rose; cooking quality cannot be beaten, and for a large and sure crop of extra early, smooth, nice sized tubers it is a record breaker. Pronounced by our potato grower to be his choice of all the early varieties. Stock limited.

Per lb., 25c.; 3 lbs., 60c., postpaid; per peck, 75c.; half bushel, \$1.25; bushel, \$2.00.

Early Rose

Early Rose is a standard early potato, well and favorably known. Choice, selected seed. Per lb., 20c.; 3 lbs., 50c., postpaid; peck, 60c.; bushel, \$1.50.

Extra Early Bovee

Introduced as a novelty several years ago by Peter Henderson, and it is still one of the most popular and earliest potatoes grown. It is earlier than Early Ohio and uncommonly prolific for such an early variety. The vine is dwarf and stocky, and the tubers grow remarkably close, all bunched together in the hill, close up to the vine, sizing up to a remarkable degree more evenly than any potato we ever saw; none too large or too small. Color of potato, pink or flesh color.

Per lb., 25c.; 3 lbs., 60c., postpaid. Tubers, per peck, 75c.; half bushel, \$1.25; bushel, \$2.00.

Uncle Sam

A large, handsome potato; very fine flavor and cooks up white, dry and floury. It is a strong, healthy grower; free from disease, blight, scab or rot. Will outyield other varieties two to one. One of the best potatoes for loam or sandy soil. Uncle Sam was first placed on the market as a novelty, about five years ago, and since its introduction has made many firm friends.

Per lb., 20c.; 3 lbs., 50c., postpaid; per peck, 60c.; half bushel, \$1.00; bushel, \$1.50.



ONE STALK DWARF ESSEX RAPE.

Rape, Dwarf Essex

True, Pure Imported Seed.

One of the best forage plants, on account of the large amount of green feed it will produce at a season of the year when everything else is dried up. It is highly recommended by Professor Shaw, as well as many other leading authorities on stock feeding. It has yielded ten tons of green forage per acre, and has twice the feeding value of green clover. Sheep, swine, cattle and poultry eat it readily, but it is particularly desirable for sheep and hogs, on account of its fattening qualities. Rape will do well on almost any soil. Very valuable for ploughing under as green manure. Sheep or lambs can be turned into it within six to eight weeks after sowing. Prepare the ground as for turnips, and sow any time from May till September; or plant it with grain. Sow, per acre, four pounds, in drills; or, if broadcast, eight pounds. Per lb., postpaid, 25c.; 10 lbs., \$1.00; 100 lbs., \$8.00.

Field and Miscellaneous Farm Seeds—Continued

Valuable Books on Farming and Gardening will be found in our Book List. (See Index.) you will never regret investing a few dollars in these books.

Rye—For Feed

This grain is planted extensively in both spring and fall. It grows quickly and makes a large amount of green feed if cut early; or if left to mature, will produce a profitable grain crop.

Spring or Fall. Per lb., postpaid, 15c.; 100 lbs., \$2.00.

Sunflower MAMMOTH RUSSIAN.

The largest and most productive variety. Heads often 12 to 20 inches across. Every farmer should plant a few rows at least. It makes one of the very best of foods for poultry; a great egg producer. Per ¼ lb., 10c.; 1 lb., postpaid, 25c.



SOJA BEAN.

Soja Bean

A very valuable fodder plant, either for feeding green or for the silo. It is a rich food and is unsurpassed for forming flesh. Sow 30 pounds per acre in the spring after the ground becomes warm. Like clover, it improves the soil by drawing nitrogen from the air. Very productive

Per lb., postpaid, 25c.; 100 lbs., \$9.00.

Sugar Cane EARLY AMBER.

The high value of Northern grown Sugar Cane for fodder and ensilage is becoming rapidly known. It may be made to furnish the principal food for cattle and horses from August until the following spring. When fed down young as a pasture it grows rapidly again. It also withstands severe drought with the best of this kind of plants. As a fodder and for winter feed it is one of the most economical. The Early Amber is the best variety for sugar, and it matures quickly.

Per lb., postpaid, 25c.; 10 lbs., \$1.00; 100 lbs., \$6.50.

Vetches, or Tares

(Vicia Sativa.)

Oregon's Greatest Forage Plant.

One of the best forage plants that can be grown on the Pacific Coast. Often called Fall Vetches. This is a species of the pea, and is grown very extensively in Western Oregon and Washington, especially in the Willamette Valley and on the Oregon Coast. It furnishes an abundance of excellent feed, either green or dried. The seed should be mixed with an equal weight of some variety of wheat, oats or rye having a stiff straw, and the mixture sown at the rate of two bushels per acre. Weight, 70 pounds per bushel. Sow in the fall or early spring.

Per lb., postpaid, 20c.; 100 lbs., \$6.00.

NOTE.—In ordering Vetches, be careful to state plainly which variety you want, as they are both sown in the fall or winter in Oregon.

Vetches, Sand or Winter

(Vicia Villosa.)

This variety thrives on poor, arid, sandy soils. It is sown either in the fall or spring, and is generally mixed with rye, which serves to support the plants. It grows to a height of three or four feet, and can be cut twice; first, as soon as the bloom appears, and afterward for seed. The plant is perfectly hardy and makes a very nutritious food.

Per lb., postpaid, 25c.; 100 lbs., \$11.00.

Wild Rice

(Zizania Aquatica.)

For Planting in Duck Ponds.

A valuable forage plant; also furnishes food for wild fowl, ducks, geese, etc. Seed can be sown on the borders of lakes, ponds and small streams and grows very rapidly in one to four feet of water, attracting all of these wild birds from September on. It also purifies the water and affords a refuge for the small fry from the large fish.

Per lb., postpaid, 35c.

Speltz

A Hay and Grain Crop in one. The greatest new grain introduced in years. Try it. You will find it a very profitable crop.

A comparatively new grain of great value. It yields from 50 to 100 bushels of rich grain per acre, and makes four to six tons of good hay. It will grow well and produce immense crops on poor soil. Dry weather seems to have no bad effect upon it.

After the grain is threshed out, the straw makes good hay, as it contains an oily substance which makes it very fattening and much relished by all kinds of stock. The grain has a hull something like barley. The great secret of Speltz is its superior stooiling qualities, its strength to resist drought and the elements, and its rich food and hay value. Sow in the spring, the same as wheat, at the rate of 75 to 100 pounds to the acre. Cut when the grain is past the middle stages of milk, when it will make splendid grain and lots of rich straw hay. Thresh like wheat, only not so closely. The hull and kernel can be fed whole, rolled like barley, or ground.

Price, per lb., 20c.; 50 lbs., \$1.75; 100 lbs., \$3.00.

Seed Wheat

BLUE STEM.

A remarkable, semi-hard Spring Wheat, yielding large crops, free from rust. The millers here pay more for it than for any other sort. It is fully equal to the old Fife Wheat, and yields a very much larger crop. It is now the main crop in the Northwestern States, and the great milling kings use it for their leading grade of flour. It has been the most reliable variety year after year, yielding a good crop when other kinds failed.

Per lb., postpaid, 15c.; peck, 40c.; bushel, \$1.25.

WHITE WINTER.

A beautiful, large grained, white, Winter Wheat, the best kind for fall or winter sowing. Very popular, and a heavy yielder.

Per lb., postpaid, 15c.; peck, 40c.; bushel, \$1.25.

RED CHAFF.

A very hardy, productive variety, grain good size, hard and reddish in color.

Per lb., postpaid, 15c.; peck, 40c.; bushel, \$1.25.

When ready to buy Seed Wheat, write us for prices and state quantity wanted.



VETCHES.

Prices on Field Seeds are subject to market changes, but we will always send you full value, whether it be more or less, unless otherwise ordered. Special prices in quantity on request.

PLANT DEPARTMENT

Our Oregon Grown Plants

Our plant trade has grown very rapidly in the past few years. Why? Because we take great pains and care in the growing, selecting, packing and shipping of all plants. Our orders are filled promptly with large, strong, well-rooted plants that will grow and produce lovely flowers the first season. There is no danger of our plants arriving at their destination in a dried or decayed state, which often happens to plants brought from the East, after an anxious customer waits several weeks for them.

You can get plants for half what we list ours for, but please remember that they will not be nearly half so large or strong.

Roses

MAILING SIZE.

The plants that we send by mail, post-paid, are grown in three-inch pots. They are healthy and vigorous and have an abundance of roots. These plants are far superior to the little, puny plants raised in hot-houses and offered at ridiculously low prices by dealers in the East. Our stock for this season is selected with greater care than ever, and our plants are unusually fine. These roses will all bloom the first season, except some of the Climbers and Hybrid Perpetual varieties, which generally do not bloom much until the second year.

Our Two-Year-Old "Dormant" Bushes

These Roses have all been grown in the open ground, and are large, well-branched bushes, 18 to 24 inches in height, according to variety, and will soon produce flowers. **THEY ARE TOO LARGE TO SEND BY MAIL, AND ARE SENT BY EXPRESS AT BUYER'S EXPENSE.** Order any time from December to May. For complete list in alphabetical order, see page 61.



MAD. CAROLINE TESTOUT.

PLANTS BY MAIL

We send all Plants securely packed, post-paid, by mail, without extra charge, except where stated to the contrary.

NEW ROSES

Killarney Set

NEW ROSES

GRAND NEW EVERBLOOMING ROSES.

One size only. Price, 20c, each, set of six for \$1.00.

Bessie Brown.—Color pure white, sometimes faintly flushed pink; petals enormous and of shell shape; it is marvelous that such large flowers can be so freely produced.

Franz Deegan.—This beautiful yellow Hybrid Tea is a fine grower, having dark, leathery foliage and the good habit of throwing up numerous heavy canes, each one crowned by a glorious flower of large size. Composed of large petals; the outer petals are of about the color of Perle des Jardins; the inner petals a good orange shade, very deep and rich.

Gladys Harkness.—Growth very erect and vigorous; profuse in bloom, flowers large, formed like a fine Hybrid Perpetual. Color deep, salmon pink.

Killarney.—A beautiful grower with elegant dark foliage, young growths bronzy-plum color; stiff, tall, upright stems bearing extra long buds of Niphotos shape. Color, deep, shell pink with silvery shadings.

Lady Battersea.—This variety has long, oval buds, sharply pointed, very striking in form. The color is a bright, cherry crimson; an unusually showy variety. The only red rose approaching Niphotos in form.

Yellow Maman Cochet.—A pure Tea Rose, very free-growing and hardy in character, withstanding ten degrees below zero. It throws up fine, strong stems, crowned by solitary buds of grand size; color is a good sulphur-yellow, blooms very large, perfectly double, splendid form and freely produced. It has every quality necessary to make the ideal yellow bedder, ranking with the White and Pink Cochets in value as a summer rose.

FINE, STRONG BUSHES.

January 26, 1904.

Portland Seed Co.

Gentlemen: Roses and plants came. Thank you for sending such nice, large ones.

Very respectfully, MRS. GEO. BETHERS,
Toledo, Oregon.

Roses—Continued

Ivory Set Choice New Everblooming Roses

Price, 15c. each; set of eight, \$1.00.

Helen Gambier.—One of the loveliest of coppery yellow roses. A new French Rose destined to occupy a prominent place among the many beautiful yellow sorts.

Helen Gould.—An elegant new variety of the popular Hybrid Tea class. Flowers very large and full, produced in wonderful profusion. Color, bright, glowing carmine of a most beautiful shade.

Ivory.—A pure white Golden Gate, a sport from that variety. Its extraordinary freedom, large size, heavy canes and pure color, all tend to make it a valuable variety.

Lady Dorothy.—Color deep saffron, with very rich shades of orange and chrome yellow in the center, surpassing in coloring the beautiful variety, Sunset. It is a sport from Perle des Jardins and is one of the most beautiful Roses in our collection.

Liberty.—Color rich, fiery ruby, shaded deep crimson. Fragrance exquisite. Without doubt the finest ever-blooming crimson rose in existence.

Mrs. Robert Garrett.—A seedling from Madame Caroline Testout, and a fine sort. Remarkably healthy and vigorous, throwing up numbers of strong shoots; color soft, rich pink; exquisite odor; very large.

Rosmane Graveraux.—This variety is of the general style of President Carnot, with an enormous long bud producing a very large double open flower; color silvery white, with reverse of rosy flesh.

Winnie Davis.—A fine new American pedigreed rose. Color, rich apricot pink, shaded to flesh at base of petals. Beautifully formed buds and flowers. Vigorous and robust habit; handsome, leathery foliage, on fine, stout stems.

DO NOT OVERLOOK

The description of our New Mammoth Blackberry. Every owner of a home can find place for a few plants, so as to raise some of the most delicious blackberries ever grown. The berries are two and a half inches long, fine flavored, sweet and melting. See page 72 for full description.

1905 Centennial Collection Choice Everblooming Roses

Price, 15c. each; set of ten, \$1.25; two-year-old plants, 35c. each.

***American Beauty.**—One of the largest, sweetest and best of all hardy roses. It is a quick grower, constant bloomer, making magnificent buds, and large, bold flowers; color, rich rosy crimson, shaded and veined in the most charming manner.



Belle Siebrecht.—A true, solid pink of the richest shade; a rare color. The flowers are sweetly perfumed and large, beautifully formed, of long, tapering shape, with high center, and when half blown the petals reflex in a graceful manner.

Comtesse de Frigneuse.—In color charming; in freedom of bloom second to none. The color is a deep, golden yellow, with a softer shade inside of petals; ranks next to the Marechal Neil as a producer of very large, yellow flowers.

***Kaiserin Augusta Victoria.**—Color, pure white. We have no hesitancy in saying that this rose is unequaled by any other variety of its color. A grand garden rose on account of its vigorous growth and hardiness. (See cut.)

***Madame Caroline Testout.**—A grand new rose of the La France type, but with flowers larger and finer. Color, bright satiny pink; very fragrant and free in bloom. (See cut, page 59.)

***Maman Cochet.**—This is one of the most beautiful new Tea Roses that has been introduced in years. The color is a deep, rosy pink, the inner side of petals silvery rose; makes charming bunches of long-stemmed flowers when cut.

Souvenir President Carnot.—A strong, clean, healthy grower, with handsome, bronze-green foliage, and large, elegantly-shaped buds. The flower is of large size, with heavy, thick, shell-like petals; buds long and pointed; color delicate rosy flesh, shaded a trifle deeper at the center.

Sunset.—This grand Rose is a favorite wherever known. The color is a rich, golden amber, or old gold, elegantly shaded, and buds are extra large, full, finely formed and deliciously perfumed.

Virginia R. Cox.—Color fiery crimson, with a dark velvety sheen, very fragrant. The freest blooming rose in existence. The mass of color produced is wonderful, and the handsome foliage adds materially to its appearance.

***White Maman Cochet.**—The name describes this new Rose—pure white, grand substance, immense size, exquisitely fragrant and a free bloomer. Buds long and pointed, keeping a long time when cut.

Portland Seed Co.

April 24, 1904.

Gentlemen: I received the collection of Roses in fine shape, and they are nice ones. Many thanks. Yours truly,

OLE PAULSON, Bellingham, Wash.

Roses—Continued

Exposition Collection of Everblooming Roses

Price, 10c. each; set of twelve, \$1.00; two-year-old plants, 35c. each.

***Bridesmaid.**—A fine, clear, dark pink, the counter part of Catherine Mermet in size and shape of flowers and habit of growth, but much deeper in color and vastly more beautiful.

Bon Silene.—The buds are very handsome and produced in great profusion. Color, dark, rosy carmine. A general favorite.

Duchess de Brabant.—Color, a soft, rosy flesh, changing to deep rose, shaded amber and salmon; delightful tea scent; beautiful buds and flowers. A rose having every desirable quality.

***La France.**—Perhaps no rose is better known or more highly valued than La France. Both flowers and buds are of grand size. Color, a silvery rose, changing to pink. A general favorite, and the sweetest of all roses.

Madame Francisca Kruger.—The striking color of this handsome rose places it at the front as a bud-producer in the open ground. It is closely allied to Catherine Mermet in everything save color, which is deeply shaded, coppery yellow. One of the finest roses in existence.

Madame Lambard.—Extra large, full flowers; very double and sweet; color, a beautiful shade of rosy bronze, passing to salmon and fawn, shaded with carmine; an elegant rose.

***Papa Gontier.**—Large and semi-double; a vivid cherry red color, shaded yellow, reverse of petals crimson. One of the very best and most valuable for open ground. No other red tea rose can compare with it.

***Perle des Jardins.**—This magnificent yellow tea rose still retains its position as one of the finest and most beautiful roses of its color ever produced. The color is a clear, golden yellow, an indescribably rich and beautiful shade, and entirely distinct from any other variety.

Rainbow.—An elegant, striped rose, bearing freely beautiful buds and flowers of large size; color, a beautiful shade of deep pink, distinctly striped and mottled with brilliant crimson, elegantly shaded and toned with rich amber.

Safrano.—Lovely apricot yellow flowers; very beautiful in bud state. Chaste and elegant.

***The Bride.**—The finest white rose ever offered. The buds are very large and of exquisite form and the full flower is very double, measuring from three and a half to four inches in diameter.



THE BRIDE.

White La France.—This magnificent rose is a pure white La France, having just a breath of rose-tinted blush, clouding the depths of its broad petals; the buds and flowers are extra large, very full and finely formed; the fragrance is delicious.

Ironclad Collection Hybrid Perpetual Roses

Price, post-paid, 15c.; set of twelve, \$1.25; two-year-old plants, 35c. each.

Anna de Diesbach.—Fine delicate rose, shaded with salmon; very large and exceedingly fragrant. A vigorous grower and profuse bloomer.

Baron de Bonstettin.—Splendid, large flowers, very double and full; color rich dark red, passing to deep, velvety maroon.

Captain Christy.—Color, a lovely shade of pale peach, deepening at the center to a rosy crimson; flowers very large, sweet and exquisitely beautiful.

Coquette des Alps.—A lovely, pure white rose; large, full, finely formed flowers, borne in great profusion; a very desirable variety.

***Gloire Lyonnaise.**—Color, chamois yellow, deepest at the center, passing to creamy white; large, full, sweet, and very distinct.

***General Jacqueminot.**—Bright, shining crimson, very rich and velvety; exceedingly brilliant and handsome; makes magnificent buds, and is highly esteemed as one of the best and most desirable for open ground.

Marshall P. Wilder.—An excellent rose; very full and fragrant; color, rich, ruby red, changing to lovely searlet maroon; very beautiful.

***Magna Charta.**—Pink, suffused with carmine; full, globular flowers; very large and double; one of the very finest.

Prince Camille de Rohan.—Very dark, rich, velvety crimson, passing to intense maroon, shaded black; one of the darkest roses, and very handsome.

Mrs. John Laing.—Very free flowering, commencing to bloom early in the season and continuing to bloom profusely until late autumn; color, a soft, delicate pink with a satiny tinge.

***Paul Neyron.**—Deep, shining rose, double and handsomely formed; blooms freely and is unusually strong and vigorous; the largest variety in existence and one of the most desirable for the garden.

***Ulrich Brunner.**—This is really a magnificent rose; extra large, bold flowers, full and globular, petals large and of a good substance; color, rich, glowing crimson, elegantly flamed with scarlet; a good grower and free bloomer; one of the best for forcing.

OUR ROSES AND PLANTS WILL PLEASE YOU. READ WHAT OTHERS WRITE:

Portland Seed Co.

The roses for which I sent arrived safely, and I am much pleased with them. They are much the strongest and largest plants I have ever seen for the money. I did not expect them nearly so large. I will need some more later, and shall certainly order from you.

MRS. GEO. W. ARMSTRONG,
Pittsburg, Oregon.

Portland Seed Co.

February 11, 1903.

The plants came in excellent condition, and I am more than pleased with them.

MRS. F. S. PRATT, Cosmopolis, Wash.

Portland Seed Co.

November 11, 1904.

Dear Sirs: I have always been pleased with every tree or shrub I have got of you.

MRS. ADELE SANDOZ, The Dalles, Oregon.

Note.—We want your complaints as well as praises, for they help us to improve.

Roses—Continued

Skylark Collection Finest New Climbing Roses

Price, 20c. each; six sorts, \$1.00; two-year-old plants, 40c. each.

Climbing La France.—Identical with the well-known La France, except that it has a vigorous climbing habit. A rampant climber, flowering continuously all the season. One of the finest climbing roses.

***Climbing Meteor.**—A strong, free growing climbing rose that, under favorable conditions, will make shoots twelve to fifteen feet in a single season; very free flowering, producing all through the growing season its rich, dark velvety crimson flowers, perfectly double, and in size and finish equal to the best hybrid perpetuals.

***Climbing Kaiserin (Mrs. Robert Peary).**—Flowers fine ivory white, of heavy texture and largest size. A grand addition to our list of climbing roses.

***Climbing Bridesmaid.**—A rampant climber, making a growth of ten to fifteen feet in a single season, and producing such quantities of fine, large, dark pink flowers as to simply smother the plant. No finer climbing rose is to be had than this.

Climbing Wootton.—A climbing variety of this fine red rose that is bound to be very popular. It is a very strong, rapid grower, throwing long, thick canes and bearing large clusters of true Woottons.

***Climbing Perle des Jardins.**—Same as the grand old Perle des Jardins and equally good in every way, but of vigorous climbing habit; flowers, golden yellow, of immense size.

Jewel Collection Ever-Blooming Climbing Roses

Price, post-paid, 15c. each; set of six sorts, 60c.; two-year-old plants, 35c. each.

Climbing Safrano.—A beautiful pillar rose, being a strong climber. Color, orange yellow or deep saffron; good size, full and sweet.

Empress of China.—A true, perpetual-blooming, climbing rose, flowering continually from May until late in the fall. Of rapid growth, bearing handsome, semi-double pink flowers.

La Marque.—Flowers of good size, borne in large clusters, which are the distinctive features of the rose. Established plants bear thousands of blossoms; color, pure white. One of the best-known varieties.

***Marechal Nell.**—A magnificent deep, golden yellow variety; so famous as to need no description. Grown the world over for its immense yellow flowers. The finest rose of its color in existence.

***Reine Marie Henriette.**—A strong, vigorous grower; flowers large, full and of fine form; color, glowing crimson, elegantly shaded. One of the best climbers.

***William A. Richardson.**—Color, rich coppery yellow, flushed with carmine. A very beautiful variety, having few equals.

Portland Seed Co.

The collection of roses are all growing nicely. You may look for my patronage in the spring, as what I have received from your house has been most satisfactory.

J. A. BURDON, Oregon City, Oregon.

The Famous Rambler Roses

Price, 10c. each; two-year-old plants, 35c. each, except where noted.

The Rambler Roses are strong, vigorous climbers, growing ten to twelve feet high in a season. They bear immense clusters of beautiful, fragrant flowers, and will soon cover the whole side of a house with a sheet of lovely bloom. They are the grandest climbing roses yet introduced, perfectly hardy, need no protection, and grow more beautiful every year. If you have not got them, do not fail to order them now.

***Crimson Rambler.**—Intense, dazzling crimson, in immense panicles.

Pink Rambler (Psyche).—Beautiful bright pink, tinged with creamy yellow.

White Rambler (Thalia).—Pure snowy white, sweetly scented.

Yellow Rambler.—Rich, golden yellow, very beautiful.

Dorothy Perkins.—Beautiful, shell pink in immense clusters, quite full and double. Each, 20c.; 2-year-old plants, 50c.

Philadelphia Rambler.—Deep, rich, crimson, even more intense than the famous Crimson Rambler; blooms in grand clusters, in such numbers as to make the bush appear to be a sheet of bloom.

Each, 20c.; 2-year-old plants, 50c.



CRIMSON RAMBLER (One Cluster).

Lewis and Clark Collection of Two-Year-Old Roses

This collection is made up of our large Field-grown Two-year-old Bushes, which can be shipped any time between October 15th and May 1st. By looking back over this and the preceding page you will find (*) placed before some sorts. These varieties are recommended for general planting. They are the varieties that do well most everywhere, and produce an abundance of choice, fragrant and handsome roses.

These two-year-old Bushes are good, well-rooted plants, one and a half to three feet high, and must be sent by express or freight at buyer's expense.

Prices: 35c. each; six for \$1.75; twelve for \$3.00; extra choice, large, well-shaped plants, 50c. each; six for \$2.50; dozen, \$4.00. Rose Societies and buyers in quantity should write for 100 rates.

Carnations—Everblooming

For its beauty, fragrance and abundance of flowers, for its hardiness, easy culture and adaptability to outdoor or indoor cultivation, no plant excels the ever-blooming Carnation. Our Carnation Plants are large and strong and give fine satisfaction.

Queen Collection of New Carnations

Price, 15c. each; four for 50c.; set of twelve fine varieties, \$1.25.

Alpine Glow.—A strong, free growing variety, entirely free from disease; large, round, high-built flower, with perfect calyx and extra strong stem; color a beautiful shade of flesh pink.

Cerise Queen.—Color a lovely shade of cerise; flowers very large and handsome; early continuous bloomer. The flower is of exquisite form, and the color is very brilliant.

Empress.—Magnificent, bright, rich crimson; large, perfectly double flowers, deeply fringed and fragrant; stem, 2½ to 3 feet, and self-supporting. The largest and richest of its color yet introduced.

Lily Dean.—Probably the most beautiful Carnation yet introduced and must become very popular. The flowers are a pure satiny white, and marked and shaded with rosy pink.

Marshal Field.—The very largest and most beautifully formed Carnation; exceedingly free flowering; color clear, white ground, delicately and very evenly marked with bright scarlet, giving it a very pleasing and effective finish.

Marquise.—Color soft, pure rose, so much admired by cut-flower purchasers; flowers large and well formed. It is a very healthy, free-blooming and taking color.

Mermaid.—A beautiful shade of salmon pink; large, and has a waxy appearance not seen in other varieties.

Profusion Collection of Fine Carnations

Price, 10c. each; six for 50c.; set of fifteen varieties, \$1.25, postpaid.

Amazinda.—A very large, bold, handsome flower, pure white ground, with very delicate margin and penciling of clear pink, making it exceedingly beautiful and attractive.

Evalina.—Fine white; large size; very fragrant, and an early and profuse bloomer; flowers of remarkable substance and fine form.

Firefly.—Rich scarlet; flowers large and deeply fringed; an early and continuous bloomer.

Glacier.—Flowers very large, pure white, beautifully fringed and very fragrant; pure white in color; perfect in form; healthy and productive.

General Maceo.—Brilliant dark crimson, extra large, petals deeply fringed, full, freely produced on strong stems; very vigorous in growth, of excellent habit.

Jubilee.—Brilliant scarlet, showing no tendency to fade; stems long and firm, holding the flowers upright. A vigorous, healthy grower, producing quantities of large-sized blooms.

Mrs. James Dean.—Flowers very large, center round and full; color a delicate flesh pink, with a very strong clove fragrance.

Miss Francis Joost.—Color soft, pure rose, so much admired by cut-flower purchasers; flowers large and well formed.

Psyche.—A splendid, free-flowering, fancy Carnation, pure white, flaked scarlet.

Portia.—Intense bright scarlet; vigorous constitution; very free flowering; one of the best sorts in cultivation.

Queen Louise.—A magnificent white Carnation; snow white flowers, deeply fringed and sweetly scented.

Sweet Briar.—A lovely variety, with fine flowers of the same fresh, delightful shade of pink as seen in the Sweetbriar Rose; the fragrance is delightful.

Tidal Wave.—A very attractive shade of carmine not heretofore seen in the Carnation family; flowers extremely double, and of the most perfect form.

William Scott.—The freest blooming of all pink Carnations; every shoot of the strong, bushy plant bears its long, stout stem of fine sweet flowers; color bright, delicate, rosy pink.

Yellow Jacket.—Deep golden yellow, splashed and striped with red; a very rich combination of colors and a novelty of much merit.

Petunias, Double Fringed

Double Petunias make excellent bedding plants, as well as being suitable for pots and vases. Like the single Petunias, they bloom continuously all through the season; the flowers, however, are far more beautiful, being larger, quite double and finely fringed.

Price, postpaid, 10c. each; seven sorts, 60c.

Champion.—A unique and beautiful variety, light lavender pink with white edges, veined and marbled with brownish crimson.

Edna.—Deep violet crimson, mixed with white, clear white on the edges of the petals.

Fantasy.—A grand variety, deeply fringed, pure white, irregularly splashed with violet.

Sea Foam.—For purity of color, form, size and vigor of growth, this variety is unsurpassed in double white Petunias.

Sultan.—An extra large, fine double fringed variety, deep violet crimson with a velvety finish.

Triumph.—A fine variety, fringed, very double, clear white, with a beautiful shade of violet in the center.

Wonderful.—A distinct shade of heliotrope, beautifully fringed.

Chrysanthemums—Large Flowering

October Garden Collection

Each, 10c.; ten sorts, 75c.

Edith Smith.—Creamy white, delicately laced with lavender and lilac. Petals beautifully twisted and arranged. Fine and large.

George W. Childs.—No Chrysanthemum has created such a sensation as this; of immense size and of the richest, deep, velvety crimson; winner of four gold medals.

Ivory.—Snowy white, of perfect incurved form, very large; this is undoubtedly one of the most useful varieties ever introduced.

Lady Playfair.—A beautiful light shade of pink, having excellent keeping qualities; with extra good foliage and stem. A grand commercial flower.

Madame Bergman.—Early; white; coming into bloom the first week in October; a fine, incurved flower.

Monrovia.—Very early, yellow, reflexed Japanese, of good size, color and substance.

October Sunshine.—A handsome, yellow variety of pure tint; splendid in size and form, and a magnificent addition to the very early varieties.

Source de Or.—Golden, twisted flowers tipped yellow and shaded with brown. One of the most satisfactory for general planting.

Vivian Morel.—A very early and very large, deep pink variety. Fine double flowers on a stiff stem, an excellent keeper and very valuable for early cut flowers.

Willowbrook.—Beautiful, pure white variety, petals twisted and arranged in a most artistic manner.

1905 Exhibition Collection

Each, 15c.; ten sorts, \$1.00.

Black Hawk.—The darkest red yet raised. A velvety crimson-maroon. Outer petals very much reflexed and center erect, making a very large flower.

Colonel Appleton.—Rich, golden yellow, immense size, very double, a grand, well-built flower, with splendid stem and foliage. A sure prize winner.

Edgar Sanders.—An incurved Japanese variety. Petals broad and deeply grooved, inside orange-red, outside old gold. One of the most beautiful varieties.

Madame Liger.—Color, a pleasing shade of lavender pink; very free in growth, with good stem and foliage.

George Carpenter.—Flowers enormous in size, having very broad petals; color violet amaranth, lined with white, reverse of petals white.

Mrs. Henry Robinson.—Immense, globe-shaped, pure white flowers; one of the grandest sorts for exhibition.



CHRYSANTHEMUM.

Major Bonnaffon.—Soft, clear yellow, full in the center, eight inches in diameter and nearly as deep. Perfect form and finish.

Mrs. Chamberlain.—Flowers delicate pearl-pink, large, beautifully incurved, very double and of exquisite form.

Oresco.—Rich terra cotta color, shaded bronze. Large incurved flowers of great beauty.

Timothy Eaton.—The largest, white, Japanese, incurved variety yet raised. Form round and perfect; growth vigorous, with large dark-green foliage.

Geraniums—Beautiful New Sorts

SEVEN FINEST SINGLE VARIETIES.

Price, postpaid, 10c. each; set of seven sorts, 60c.

Leon Perrault.—Brilliant scarlet, of the most dazzling shade; very large truss and florets; a grand bedding variety.

Madonna.—Beautiful light pink, upper petals marked with white; very pretty.

Mrs. A. Blanc.—Silver salmon, shaded peach; glistening texture.

Perle.—Trusses large and of perfect form; color pure snowy white.

Queen Olga.—Flowers bright pink, upper petals shaded to white. A fine bedding variety.

Sam Sloane.—An extra fine, velvety crimson variety, carrying immense trusses in great quantity.

Soliel Cochant.—Large flowers of a yellow scarlet color; the finest of the yellows up to date.

SEVEN FINEST DOUBLE VARIETIES.

Price, postpaid, 10c. each; set of seven sorts, 60c.

Beaute Poitevine.—Very large, semi-double flowers of a brilliant salmon color.

Bruant.—A fine bedding variety; color bright, vermillion red of a most pleasing shade. Trusses very large, often measuring six inches in diameter.

La Favorite.—Trusses very large; flowers pure snow white.

Madame Ch. Dabouche.—Extremely free in bloom, with enormous trusses composed of large, round flowers. Color, bright rose, shading to apple blossom.

Mary Hill.—The finest, pure pink variety we know of.

Madame Hoste.—Flowers of enormous size; color, flesh, lined and shaded salmon. One of the finest varieties in existence.

S. A. Nutt.—The best of the rich, dark crimson varieties. Trusses massive.



GERANIUM.

English Pelargoniums

LADY WASHINGTON GERANIUMS.

Price, postpaid, 20c. each; set of six sorts, \$1.00.

Blue Mabel.—Clear, purple ground of a very clear shade, with no trace of magenta; upper petals grandly blotched with dark violet; large flowers, of fine, round shape.

Carnival.—A lovely shade of brightest pink, grandly feathered with dark, velvety crimson.

Elsie Runyan.—Brilliant shade of cerise with lighter marking. A very free bloomer.

Mabel.—Velvety pink, upper petals blotched blackish maroon, lower petals spotted with crimson lake.

Mrs. Hollingsworth.—Deep rose ground, feathered with red on upper petals. Fine trusses of large, deeply fringed and crisped flowers.

Rock's Seedling.—Flowers very large, bright scarlet; upper petals blotched velvety black; center of flower a distinct shade of violet.

During April and May we have Scarlet, White and Pink Geranium Plants by the thousands. They are strong, well-rooted plants; fine for making up in beds or borders. By express only, 60c. per dozen; \$4.00 per 100.

Begonias

CHOICE FLOWERING SORTS.

Price, postpaid, 10c. each; set of seven sorts, 60c.

Argentea Guttata.—Wine-colored leaves with silvery spots; white flowers on the tips of the stems.

Bertha de Chateauecher.—The freest flowering Begonia we have. Makes a handsome window plant, with its glossy green leaves and bright red flowers.

Incarnata.—A vigorous growing variety; large panicles of pink flower

Metallica.—A fine erect Begonia, with dark, rough leaves; a free bloomer. The panicles of unopened flowers are bright red, with surface like plush; when open the flower is waxy white.

Rubra.—A rapid growing and free flowering variety; beautiful waxy green leaves and large panicles of coral red flowers. A very popular variety.

Vernon.—Bright, rich scarlet, very showy and handsome; always in bloom.

Weltoniensis.—A handsome flowering variety, producing lovely pink flowers.

Rex Begonias

Grown for the beauty of their foliage. The leaves are large, variegated and margined with a peculiar silver-metallic gloss. The most ornamental of window plants. We offer the most distinct and handsomely marked varieties.

Price, 15c. each, four sorts for 50c.



REX BEGONIA.

Fuchsias

Collection of seven finest sorts, price, postpaid, 10c. each; complete set, 60c.

Annie Earle.—Tube and sepals waxy white; corolla single, clear carmine; plant splendid and free blooming.

Black Prince.—Tube and petals bright, waxy carmine, sepals large and broad, with pale green tips; large, open, pale pink corolla.

Henry Brooks.—Flowers very large, corolla plum color; tube and sepals crimson; one of the finest varieties.

Rosalind.—Tube and sepals white, corolla magenta pink. A beautiful sort.

Jupiter.—This is a grand, mammoth, double flowered Fuchsia; flowers of enormous size; very large, rich, violet purple corolla; tube and sepals bright crimson.

Storm King.—Another general favorite; very graceful habit, and it bears double white flowers in great profusion.

White Giant.—Superb, double, white variety; tube and sepals bright scarlet; corolla large, double and waxy white; an excellent grower and profuse bloomer.



FUCHSIAS.

Ferns, Etc.

Asparagus Sprengerii (Emerald Feather).—This is undoubtedly one of the handsomest and most valuable evergreen trailing plants for the house and conservatory ever introduced. It is especially valuable for pots, vases, baskets, etc., covering all with its beautiful sprays of lovely green, feathery foliage, which can be cut freely and are very useful for bouquets, wreaths, and all kinds of floral decorations.

Nice plants, 15c. to 30c. each, postpaid.

Asparagus Plumosus (Climbing Lace Fern).—A finer and more delicate plant than the Sprengerii, but hardy and easily grown; very satisfactory for window and house culture; an extremely graceful window climber, bright green, feathery foliage, as fine as the finest silk or lace. The fronds retain their freshness for weeks when cut, and are greatly admired for floral decorations.

Nice plants, 20c. to 35c. each, postpaid.

Boston Fern.—One of the most beautiful and useful of house plants. It is of easy culture and its sword-like fronds, in large specimens, attain a length of three to four feet, produced in a bewildering mass, arching, curving and interlacing in every conceivable direction. Nice plants, 20c. to 35c. each, postpaid.

Smilax.—A very graceful climber, having delicate and dense evergreen foliage. Fine for cutting for bouquets.

Price, 10c. each.



ASPARAGUS SPRENGERII.

CYPERUS.

Umbrella Plant (Alternifolia).—A splendid house plant of easy culture. Resembles a palm. Always remains green and pretty. Keep well watered.

Nice plants, 15c. to 25c. each, postpaid.

Our Bulb Catalog will give descriptions and prices on our Japan Palms, etc. Free on request.



CYPERUS.

Miscellaneous Plants for the House or Garden

Geranium—Rose Scented.—Too well known to need any description. Price, 10c. each, postpaid.

Heliotrope.—These plants are universal favorites on account of their delightful fragrance and flowering equally well as bedding plants in the summer or as pot plants in the house during the winter. White, blue or purple. Price, 10c. each, postpaid.

Ipomea (Grandiflora).—The true, large, flowering moonflower. Price, 10c. each.

Learii.—A fit companion to the above, growing about 25 feet in one season. The flowers are trumpet-shaped, about five inches across; color rich violet blue. Price, 10c. each, postpaid.

Marguerites (Paris Daisies).—Excellent bedding plants, blooming profusely all summer. Two sorts, yellow and white. Price, 10c. each.

Primrose Obconica.—A lovely new perpetual blooming Primrose; flowering nearly every month in the year. The flowers are borne in loose trusses; delicate rosy lilac, shaded to white. Price, 15c. each, postpaid.

Primrose, Chinese.—One of the best of all the plants we cultivate for winter flowers, and most worthy of recommendation for winter gardening. White, pink and scarlet. Price, 15c. each, postpaid.

Weeping Lantana.—A beautiful, new, ever-blooming plant for baskets, vases, pots, or for culture outdoors. Produces its clear, lilac-pink flowers in clusters by the hundreds from early summer until severe frosts. Deliciously fragrant. Price, 15c. each, postpaid.



PRIMROSE.

Hardy Garden Plants

The plants in this collection are perfectly hardy and are valuable and most desirable in any garden, inasmuch as they die down only to the roots during the winter. They continue to grow and bloom year after year with little or no care, increasing in beauty as they acquire age.

Anemone (Japonica).—There is nothing more beautiful in the entire list of hardy plants. They commence to bloom in August and increase in beauty until frost. Two sorts, pink or white. Each, 15c., postpaid.

Aster (Hardy Alpine).—One of the most conspicuous of all late blooming, hardy plants. Immense heads of bloom on stems three feet long. Three varieties, white, lavender or purple. Each, 15c., postpaid.

Coreopsis (Lanceolata).—One of the most beautiful hardy plants in existence, bearing profusely all summer large, golden yellow flowers, on long stems, making it especially adapted for cutting. Each, 15c., postpaid.

Daisy (Double English).—Neat, low growing border plants, covered in the early spring with handsome, double flowers. Three sorts, white, pink or crimson. Each, 10c., postpaid.

Delphinium (Formosum).—This is certainly one of the handsomest and most satisfactory hardy garden plants. It throws up immense spikes of bright blue flowers from June to October. Each, 15c., postpaid.

English Primrose (Double White).—Pretty, low-growing, hardy plant bearing large, beautiful flowers having the old-fashioned cowslip fragrance. Blooms very profusely early in the spring. Each, 20c., postpaid.

Galliardia (Grandiflora).—Large, gorgeous flowers, having a red-brown center and petals marked with rings of crimson, orange, vermillion, etc. Each, 15c., postpaid.

Helianthus (Multiflorus Plenus).—Flowers four inches in diameter, as double as any dahlia; color, bright golden yellow. Each, 15c., postpaid.

Perennial Phlox.—No garden should be without these showy and satisfactory plants. They are as hardy as an oak, growing rapidly, making large clumps in a short time, and bear in the summer and fall massive panicles of flowers in unusual shades of rose, salmon, mauve, dark red and white. Each, 15c.; six sorts, 65c., postpaid.

Perennial Pea (Snowstorm).—A beautiful new variety of an old and popular, hardy, garden climber. Covered with handsome, white flowers all summer. Each, 20c., postpaid.

Shasta Daisy.—Pure white, Marguerite-like flowers, three inches and over in diameter. Blooms throughout the entire season. Each, 15c., postpaid.

Rudbeckia (Golden Glow).—Beautiful, golden yellow flowers as large as a dahlia. The most effective hardy plant for August and September flowering now in cultivation. Each, 15c., postpaid.

Violets.—Of all the delightful perfumes, that of the sweet Violet is the most delicate and pleasing, and places this modest flower among our greatest favorites. They commence to bloom as soon as cool weather comes in the fall and flower even more profusely in the spring. Blue or white. Each, 10c., postpaid.

BEDDING PLANTS.

During the months of April and May, we have thousands of hardy bedding plants such as: Ageratum, Alyssum, Asters, Calceolaria, Carnations, Calliopsis, Candytuft, Canterbury Bells, Cosmos, Daisies, Geraniums, Poppies, Forget-Me-Not, Galliardia, Hollyhocks, Lobelia, Mignonette, Pentstemon, Petunias, Phlox, Pinks, Pansies, Salvia, Stocks and Verbenas, etc.

For descriptions of the above flowers, see Flower Seed Department.

These plants range in price from 20c. to 75c. per dozen; average price is 60c. per dozen, and will be shipped by express at the buyer's expense.

Order what you want at 60c. per dozen, and we will send you your money's worth. If wanted by mail postpaid, add about 25c. per dozen for postage.

FANCY LEAVED COLEUS.

The best ornamental foliage plant for summer bedding. Their varied tints of crimson, gold, bronze and green, richly blotched, veined or margined, produce a brilliancy of color unequaled. Each, 10c.

Rainbow Collection of 14 sorts, \$1.00, postpaid.

NEW GIANT PANSIES.

These lovely flowers, favorites with everyone, are too well known to need any description. The plants which we offer are raised from the finest strains of seed, and persons purchasing from us have the assurance that they are getting the best that can be had. Each, 5c.; per doz., 50c.; by mail, 75c. doz.

NOTE.—From March until June we have Professor Steel's Pansy Plants; none finer in the world; put up one dozen in a basket, which are 75c. per basket, by express only; buyer pays express charges. Order a basket or two; you will not be disappointed.

Hardy Flowering Shrubs

These Shrubs are two-year-old field-grown plants, and can only be sent by express or freight, at buyer's expense.

	Each.
Altheas, Double white or pink	40c.
Azalia, Mollis	75c.
Berberis, Thunbergii	30c.
Cedonia, Japonica (Japan Quince)	30c.
Calycanthus, Sweet-scented Shrub	30c.
Deutzia, Pride of Rochester	30c.
Hydrangea, Panicleata Grandiflora	30c.
Hypericum, Moserianum	30c.
Lilac (Vulgaris), Purple or White	30c.

	Each.
Spiraea, Anthony Waterer	30c.
Van Houtte	30c.
Snowball, Viburnum Opulus	30c.
Weigella, Pink or White	30c.

For a complete and descriptive list of Flowering Shrubs, Plants and Trees, send for our 24-page Illustrated Nursery Catalog. Free on request.

Hardy Climbing Vines



RAMONA.

MAD. ED. ANDRE.

HENRYI.

JACKMANII.

CLEMATIS.

Well known among hardy vines, bearing large and beautiful flowers of various shades of color through the greater part of the summer and fall. The most desirable climbers for trellises, porches and pillars.

LARGE FLOWERING VARIETIES.

Henryi.—Fine, large, creamy white flowers; a strong grower and very hardy.

Jackmanii.—Intense violet purple, with a rich velvety appearance; distinctly veined. The most popular and finest Clematis we have.

Mad. Ed. Andre.—A beautiful new variety; flowers red, large and abundant.

Ramona.—Fine lavender.

Above sorts, 75c. to \$1.00, postpaid.

CLEMATIS PANICULATA.

A strong, rapid and vigorous grower; in late summer it produces sheets of medium sized, pure white flowers of the most pleasing fragrance. Each, 50c., postpaid.

HONEYSUCKLE, HALLEANA.

A vigorous climber, with pure white flowers changing to yellow. Evergreen. Each, 50c.; cannot mail.

AMPELOPSIS.

Quinquifolia (Virginia Creeper).—The common American Ivy, with large, luxuriant foliage, which in autumn assumes the most gorgeous and magnificent color. One of the finest vines for covering walls or verandas. Each, 40c. to 50c., postpaid.

Veitchii (Boston Ivy, Japan Ivy).—This is the handsome creeper so generally used for covering brick, stone and wooden walls. When once established the vine grows very rapidly and clings to the wall with the greatest tenacity. The leaves are of a shining, glossy green, taking on beautiful autumnal coloring. Flowers small, followed by dense clusters of deep blue berries. Each, 40c. to 50c., postpaid.

IVY, ENGLISH.

Thick, leathery, evergreen leaves; very desirable climber for this section of the country. Each, 30c.

WISTERIA.

Chinese Blue.—Immense clusters of blue flowers in the spring. A magnificent climber, attaining a height of 50 feet. Each, 75c.; cannot mail.

White Wisteria.

Each, 75c.; cannot mail.

Flowering Roots and Bulbs

Peonies

Perfectly hardy, large, showy plants, bush-like in growth, producing great flowers almost rivaling the rose in color and perfection of bloom. The peony is well adapted for grouping with shrubbery or for separate planting on lawn or in garden. Each year as the roots grow larger they produce larger blooms and more of them.

CHINESE HERBACEOUS.

For cut flowers the Chinese Peonies can scarcely be surpassed, and no flower surpasses them when a loose arrangement is wanted in a large vase.

Fine Roots, price, 30c. each, six for \$1.60.

Sappho.—Handsone, large, red or crimson, full and double.

Grandiflora Rubra.—Flowers large and double. Color blood red, earlier than others; generally in bloom for Decoration Day.

White Cloud.—A handsome, double white.

Argus.—Fine pink, very full and double; bush, rather dwarf.

Formosa.—Light pink, yellow center, full and double.

Jubilee.—White, edged with crimson; double and showy.

PEONY MOUTAN.

(Tree Peony.)

This Peony grows about four feet high, forming a small, tree-shaped shrub. The handsome, double flowers are of enormous size and rich in colors. We have ten of the finest kinds. White, Scarlet, Rose or Variegated.

By express, too heavy to mail; Strong Imported Roots, 75c. each; Large Nursery Grown Plants, 1½ to 2 feet, \$1.50 each.

Bleeding Heart

Produces freely large racemes of pink and white, heart-shaped flowers. Graceful foliage.

Good Roots, each, 30c. postpaid.



PEONY.

Flowering Roots and Bulbs—Continued

Gladioli

Gladioli are the most satisfactory, desirable and popular of all garden bulbs. Nothing else of the kind costs so little, grows and blooms so readily in any soil or climate as *Gladiolus*. They thrive and bloom with the least care and attention, and make a display which for brilliancy and beauty of coloring few bulbs can equal and none surpass. Our collections contain many of the finest and highest priced sorts. Gladioli are of the simplest culture. Plant any time from March to June.

Lewis and Clark Collection.—This collection contains over twenty-five distinct colors, mostly of light shades. Some are creamy white, splashed or shaded red on the lower petals; very showy and handsome.

Large bulbs, 12½c. each; \$1.25 dozen, postpaid.
Second size, 10c. each; \$1.00 dozen, postpaid.

Gladioli Lemoini.—These have odd and fantastic markings, embracing a grand range of the most brilliant and showy colors, mostly light; very fine mixed.

Large bulbs, 10c. each; \$1.00 dozen, postpaid.
Second size, 8c. each; 75c. dozen, postpaid.

Gladioli Childsi.—The flowers of this improved strain are of grand size and are borne on tall stalks. The colors are very showy, containing a large per cent of red and dark shades; choice, mixed, including many named varieties.

Large bulbs, 10c. each; \$1.00 dozen, postpaid.
Second size, 8c. each; 75c. dozen, postpaid.

Gladioli, Groff's Hybrid.—This is a mixture of Hybrids of all sorts, *Gandavensis*, *Lemoini* and *Childsi*, giving in one bed the greatest range of colors and variation.

Large bulbs, 10c. each; \$1.00 dozen, postpaid.
Second size, 8c. each; 75c. dozen, postpaid.

Gladioli, Fine Mixed.—This mixture is composed of a splendid assortment and will produce a large variety of flowers at a little expense; unequalled for the price.

Large bulbs, two for 15c.; 75c. dozen, postpaid.
Second size, 50c. dozen, postpaid.



GLADIOLI.

Lily of the Valley

One of the most charming spring-flowering plants, producing in profusion its delicate bell-shaped, delightfully fragrant white flowers. It will thrive in any common soil, and will do well in shady situations, where few other plants will succeed.

Each, 5c.; per dozen, 50c., postpaid.

Calla Lilies (Lily of the Nile)

The old favorite White Calla Lily is too well known to require any description. Plant one bulb to a six-inch pot, give an abundance of water, light and heat, and the result will be most satisfactory. They come into bloom quickly.

Each, 15c., postpaid.

Japanese Lilies

Do not overlook the Lilies. Your order for bulbs is not complete without Lilies. They are the most fragrant, beautiful and stately of all outdoor flowers and require very little care. Do not disturb them oftener than every five years. Plant about six inches deep. The *Harrissii* and *Longiflorum* Lilies force very easily. The *Speciosum* are, next to the *Auratum*s, the most magnificent species for outdoor culture.

LILIUM HARRISSII.

The True Bermuda Easter Lily.

The flower so commonly forced for Easter, and known as the Easter Lily. The flowers are delightfully fragrant, pure waxy-white, of great substance.

Each, 30c.

LILIUM LONGIFLORUM (Multiflorum).

Very much like the *Lilium Harrissii*, but preferred by many to that variety, as they are stronger and less liable to disease. In the open ground they bloom in June and July.

Each, 20c.

Auratum.—The handsomest and probably the most popular of the Japan Lilies. Its immense ivory white flowers are thickly studded with yellow and crimson spots, while in the center of each petal is a golden band shading its edges into white; very fragrant.

Each, 25c.

Auratum Platyphyllum.—Similar to the *Auratum*, but larger and finer.

Each, 30c.

Auratum Pictum.—Pure white, with red and yellow band; large.

Each, 30c.

Auratum Rubro-Vittatum.—White, with crimson stripes; handsome.

Each, 50c.

Auratum Viginale Album.—Large flowers, with yellow band studded with white spots; handsome and fragrant.

Each, 30c.

Brownii.—Trumpet shape, cream inside, purplish outside.

Each, 50c.

Elegans Incomparable.—Richest red lily known; very showy.

Each, 20c.

Elegans Atrosanguineum.—Dark blood red, erect, open flower.

Each, 30c.

Elegans Semipleno.—Flower red with fringed erect petals, tipped with white in center of flower; very pretty.

Each, 25c.

Krameri.—Trumpet shaped; soft, beautiful rose color.

Each, 25c.

Speciosum Album.—Pure white; flowers freely.

Each, 25c.

Speciosum Rubrum.—White, with dark rose spots.

Each, 20c.

Speciosum Rubrum Melpomene.—Rich, blood crimson, heavily spotted.

Each, 20c.

Tigrinum Splendens (Improved Single Tiger Lily).—Large flowers of excellent form; color, orange salmon, with dark spots.

Each, 20c.

Tigrinum Flore Pleno.—Similar to above, but double.

Each, 20c.

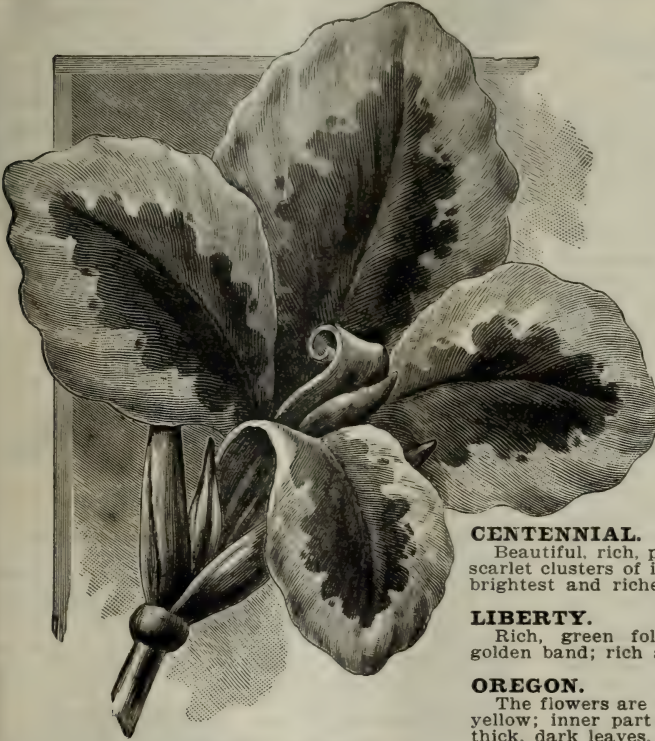


LILIUM AURATUM.

Flowering Bulbs, Roots, Etc.—Continued

Cannas

Where brightest and most imposing effects are desired in bedding, the Canna is unequalled. Their large, green, palm-like leaves and immense spikes of bright-colored flowers make a handsome and rich display. They are of easy culture, growing well in any good garden soil. Planted in the early spring, they soon flower, and remain so until cut down by frosts in the fall. Recent years have wrought wonderful improvements in Cannas, increasing their beauty a hundred fold. Plant the taller sorts in the center of the beds; shorter ones on the outside.



CANNA FLOWER.



CANNA PLANT (in bloom).

Eighteen
Cannas
will fill
a bed
six feet
across.

CANNA MUSAFOLIA.

This is the finest foliage Canna yet seen; has enormous Musa-like leaves 3x5 feet, of a dark green, bronze-tinged color, the edge of the leaves being beautifully banded with bronze-purple. In size and beauty of foliage it is a revelation, and makes a clump or single specimen plant for the lawn, which no other foliage plant can approach. Attains a height of eight feet, beautiful and symmetrical at every stage of growth.

Each, 20c.; 3 for 50c., postpaid.

CENTENNIAL.

Beautiful, rich, purple-black foliage. Produces great, flaming, scarlet clusters of immense, perfect blossoms. One of the largest, brightest and richest colored Cannas. (Three to four feet.)

Each, 25c.; 3 for 60c., postpaid.

LIBERTY.

Rich, green foliage; flowers scarlet-crimson, with broad, golden band; rich and dazzling. (Three feet.)

Each, 25c.; 3 for 60c., postpaid.

OREGON.

The flowers are truly gigantic in size. Beautiful, rich canary-yellow; inner part of petals shows fine, crimson spots: strong, thick, dark leaves. (Five to six feet.)

Each, 20c.; three for 50c., postpaid.

Any of the four sorts below, each, 15c.; dozen, \$1.50, postpaid.

Bismark.—Flowers deep, orange-scarlet; green foliage. (Four to five feet.)

Rainier.—Rich, crimson flowers; dark green foliage. (Five feet.)

Multnomah.—Fine yellow, splashed and spotted with red; green foliage. (Four to five feet.)

Columbia.—Enormous flowers, beautiful canary-yellow with a silvery hue, inside slightly dotted with red. Both in foliage and flower it is grand. (Three to four feet.)

MIXED CANNAS (Assorted Roots).

In this mixture you will get a large assortment, also many new and named sorts which we can not list on account of space. They are all good sorts and will make effective displays.

Each, 15c.; six for 75c.; 12 for \$1.25.



FERN BALL (in full leaf).

Japanese Fern Ball

This beautiful novelty is an importation from Japan, and is certainly the finest addition to the fernery yet introduced. The ball is composed of the Japanese Island Fern Roots and Spagnum Moss, and so constructed as to send out leaves of beautiful, emerald green from every point. They grow rapidly, and make a handsome ornament for the house, conservatory or greenhouse. Our own importation arrives from Japan about November.

Directions for Starting.—Place ball in warm water for 15 minutes, and then suspend in any desired position; repeat every two days until growth is started, after which sprinkle occasionally as required. They need very little sun.

Price, in dormant state, by express, each, 75c.

Flowering Roots and Bulbs—Continued

Dahlias

The Dahlia is one of the most popular Summer and Fall flowering bulbs and a great favorite of many. The flowers are showy and gorgeous, and produced in great profusion. The latest introductions are marvels of beauty; fine for bouquets and decorations. Dahlias commence to bloom in July and continue until cut down by severe frost.

PORTLAND SEED CO.'S 1905 COLLECTION OF NEWEST CACTUS DAHLIAS.

These magnificent new varieties are the latest creations in the Cactus Dahlias. They come from the greatest Dahlia specialists in France, England and Canada, originator's stock costing up as high as \$1.50 per single bulb. They are all prize winners and if you want something to create a sensation in the Dahlia line, raise some or all of this 1905 Collection.

Albion.—Flowers large, pure white; creamy white center; of very fine shape, and having the greatest length of any white Dahlia we have ever seen. A great advance in whites, both in flower and habit (4½ feet). Each, \$1.00, postpaid.

Canary Queen.—Clear yellow; a very large, full and finely outlined flower with long, fine petals, which slightly incurve; a splendid exhibition sort; every flower good; quite distinct from all other yellows (4½ feet). Each, 60c., postpaid.

Mrs. J. J. Crowe.—The stems are long and stiff, carrying the blooms quite away from the foliage; the flowers are very large and of a lovely clear canary yellow without shading, and made up of a great profusion of very long, narrow petals giving it quite a Chrysanthemum-like appearance (5 feet). Each, 50c., postpaid.

Britannia.—Handsome, soft salmon-pink; long petals; free flowering; flowers borne on long stems; very early (3 feet). Each, 35c., postpaid.

Mrs. Carter Page.—One of the most elegantly-formed flowers yet raised, and one which for exhibition will be considered indispensable; the petals are of great length and beauty; very narrow, curving slightly and gracefully inward, and forming a model flower; the color is a rich, velvety crimson or maroon with a tinge of yellow at the base of each petal; stems long (4 feet). Each, 50c., postpaid.

Richard Dean.—Red, heavily tipped with white; large flowers with long, curving petals. This flower is most remarkable for its long, stiff stems; one of the most striking novelties of the year (4 feet). Each, 60c., postpaid.

Miss Webster.—Of the purest white; in very hot weather it is sometimes tinted pale pink at the back of the petals. The habit is perfect—being dwarf and bushy; the flowers are borne on long, stiff stalks well above the foliage and are produced in the greatest profusion (3 feet). Each, 35c., postpaid.

SPECIAL.—One each of the above seven sorts, only \$3.00, postpaid.

Oriental Collection of Cactus Dahlias

Each One a Gem in Itself.

Price, 20c. each; full set of seven, only \$1.00, postpaid.

Captivation.—Handsome and attractive; should be in every collection; color rich salmon, shaded pink; petals long, narrow and pointed; a profuse bloomer.

Mrs. Chas. Turner.—This is one of the finest of all yellows in the Cactus variety. Flowers extra large, with long, pointed petals; perfect in form; bright, lemon yellow.

Mrs. Peart.—Creamy white; petals long and narrow, more twisted than shown in the cut; entirely distinct; very handsome.

Oriental.—Magnificent, light pink flowers, with long, twisted, pointed petals. A profuse bloomer.

Sensation.—In this grand, new sort, we have the first really variegated Dahlia in the Cactus class. Color a clear, bright orange, striped and flecked with red. Petals are very long and curved toward the center. Flowers are large, and the plant an erect, robust grower.

Sunlight.—A lovely, yellow Cactus of medium size; petals long and regular, curving forward; early and free-flowering.

MIXED DAHLIA ROOTS.

We have grown many valuable varieties other than those mentioned on this page. Not having the space, and in many cases only a limited supply, we can not give them individual mention, so have put all these in a mixture and offer them unnamed.

Price, 15c. each; two for 25c.; \$1.25 per doz., postpaid. By express at purchaser's expense, \$1.00 per dozen.



CACTUS DAHLIA—MRS. PEART.

Fancy and Show Dahlias

In this class we offer eight grand new Dahlias, which we believe will please all our customers.

Prices, 20c. each; complete set of eight, \$1.25, postpaid.

Aegir.—Distinct form; petals broad, finely formed and arranged in a most fantastic, yet regular form; color rich, warm, cardinal scarlet, almost black.

Autumn Glory.—Pink, shaded lavender, a profuse bloomer; petals broad and open; very handsome.

Duke of Clarence.—Rich, dark maroon, petals broad and somewhat curved, open form; very showy and handsome; free bloomer.

Earl of Pembroke.—A very rich Dahlia; petals broad and pointed, very full; color magenta rose, shaded purple.

Fire Brand.—A rich, glowing scarlet, open form, petals broad and pointed. This is one of the most showy Dahlias.

Grand Duke of Alexis.—A large, white variety, grand in form and shape, petals broad and quilled; flowers measure five to seven inches across, and sometimes tinted with a little lavender. One of the most beautiful show Dahlias; fine for cut flowers.

Mrs. Winters.—Of fine form, rather compact; a profuse bloomer, and the best pure white of its kind in existence; fine for cutting.

Meteor.—Intense crimson, petals broad, open form; very bright and attractive.

Prima Donna.—A beautiful pink, with bright, yellow center, open form, very showy and handsome.

Yellow Prince.—A large handsome yellow, the best of its color and class.

Single Dahlias

NEW "TWENTIETH CENTURY."

No single Dahlia ever created such a sensation or was received with such popular favor as this, and it is well worthy of the praise bestowed upon it. It is entirely distinct from all others, and ranks high, not only as a free-flowering plant for the garden, but also as a cut flower. The plant is of free-branching habit, flowering early, profusely and continuously throughout the season, producing its flowers on long stems. The flowers come in a great variety of colors and measure four to six inches across.

Mixed colors, price 30c. each; four for \$1.00, postpaid.

NEW FRENCH "COLLARETTE."

An entirely new type of single Dahlia, which has produced a very favorable impression wherever shown. The peculiarity of the type lies in the development of stamens at the base of the petals, which form a frill or collar around the center. As the collar is entirely distinct in color from the rest of the flower, it is most unique and striking.

Mixed colors, price, 50c. each; three for \$1.00, postpaid.

Vegetable Plants

We grow large quantities of vegetable plants, and can supply all of the varieties listed below, in their proper season, in most any quantity. We have made arrangements this year so that we can supply all vegetables plants in two grades, plants direct from the seed beds, and those that have been transplanted into shallow boxes.

TRANSPANTED PLANTS are much stronger and better rooted, and are well worth the price, especially in the early part of the season. We can supply most any of the leading sorts.

LET US HAVE YOUR ORDERS EARLY AND WE WILL SHIP THEM LATER, OR AS REQUESTED.

No Plants sent C. O. D. Write for prices in large quantities.



EARLY CABBAGE.

	Postpaid.		By Express.			Postpaid.		By Express.	
	Dozen.	100.	100.	1000.		Dozen.	100.	100.	1000.
Cabbage.					Tomatoes.				
Early or late kinds, transplanted, 20c.		75c.		\$6.00	Leading kinds, transplanted	30c.	\$1.00		\$7.00
Not transplanted		50c.		4.00	Not transplanted		.75		\$6.00
Add 25c. per 100 for Cabbage Plants by mail.					Add 40c. per 100 for Tomato Plants by mail.				
Cauliflower.					MISCELLANEOUS PLANTS.				
Early Snowball, transplanted	30c.	\$1.25		\$8.00	All Transplanted.				
Not transplanted		1.00		7.00	Broccoli.	25c.	\$1.00		\$7.00
Late kinds, transplanted	30c.	1.00		7.00	Brussels Sprouts	25c.	.75		6.00
Late kinds, not transplanted		.75		6.00	Celeriac	25c.	.75		6.00
Add 25c. per 100 for Cauliflower Plants by mail.					Egg Plant	30c.	1.00		7.00
Celery.					Pepper	30c.	1.00		7.00
Leading kinds, transplanted	25c.	75c.		\$6.00	Sweet Potato Plants	30c.	1.00		7.00
Not transplanted		50c.		5.00	Tobacco	30c.	1.00		7.00
Add 25c. per 100 for Celery Plants by mail.					Add 25c. per 100 for above plants by mail.				
					Chives (Schnittlauch), per bunch				25c.

Vegetable Roots, Etc.

ASPARAGUS.

One-year-old plants.	Postpaid, doz., 25c.; 50, 75c.; 100, \$1.00.
By express or freight, doz., 20c.; 50, 50c.; 100, 75c.	
Two-year-old plants.	Postpaid, doz., 40c.; 50, \$1.00; 100, \$1.50.
By express or freight, doz., 25c.; 50, 75c.; 100, \$1.00.	
Write for prices if wanted by the thousand.	

HORSE RADISH ROOTS.

Postpaid, each, 5c.; doz., 40c.	
By express or freight, doz., 25c.; 100, \$1.50.	

HOPE VINES.

Strong roots.	Postpaid, each, 5c.; doz., 40c.
By express, doz., 25c.; 100, \$1.50.	
We can make very low prices if wanted by the 1000.	

RHUBARB ROOTS.

Varieties—Mammoth, Giant and Linnaeus.	
One-year-old roots.	Postpaid, each, 8c.; doz., 75c.
By express or freight, doz., 50c.; 100, \$3.00.	
Two-year-old roots.	Postpaid, each, 15c.; doz., \$1.50.
By express or freight, doz., 85c.; 100, \$6.00.	
If wanted in larger quantities, write for special prices.	



Fruit Trees and Bushes

Our large Nursery Catalog contains a complete list with full description of all Fruit, Shade and Ornamental Trees, Shrubs, Climbers, etc. We would be pleased to mail a copy of it to anyone who wishes one. We simply give below a condensed price list. Order any varieties you want at following prices:

APPLES.

	Each.	Per 10.	Per 100.
2-year-old	\$0.25	\$2.00	\$18.00
1-year-old, 4 to 6 feet	.20	1.75	15.00
Select, 2 to 3 years old	.35		

APRICOTS.

	Each.	Per 10.	Per 100.
2-year-old	\$0.35	\$3.00	\$30.00
1-year-old, 4 to 6 feet	.30	2.75	25.00
Select, 2 years old	.40		

CRAB APPLES.

Nice stocky trees	\$0.35	\$3.00	
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CHERRIES.

	Each.	Per 10.	Per 100.
2-year-old	\$0.50	\$4.00	\$40.00
1-year-old, 4 to 6 feet	.35	3.00	30.00
1-year-old, 3 to 4 feet	.30	2.50	25.00
Select, 2 years old	.75		

Cherry Trees are very scarce again this year.

PEARS.

	Each.	Per 10.	Per 100.
2-year-old	\$0.35	\$3.00	\$30.00
1-year-old, 4 to 6 feet	.30	2.50	25.00
Select, 2 to 3-year-old stock	.50		

PEACHES.

	Each.	Per 10.	Per 100.
2-year-old	\$0.35	\$3.00	\$25.00
1-year-old, 4 to 6 feet	.30	2.50	20.00
Select, 2 years old	.40		

PLUMS.

	Each.	Per 10.	Per 100.
2-year-old	\$0.25	\$2.25	\$20.00
1-year-old, 4 to 6 feet	.20	1.75	15.00
Select, 2 to 3 years old	.30		

PRUNES.

	Each.	Per 10.	Per 100.
2-year-old	\$0.25	\$2.25	\$20.00
1-year-old, 4 to 6 feet	.20	1.75	15.00
Select, 2 to 3 years old	.35		

QUINCE.

	Each.	Per 10.	Per 100.
2-year-old	\$0.40	\$3.50	
1-year-old	.35	3.00	
Select, 2 years old	.50		

Small Fruits

CURRENTS.

	Each.	Per 10.	Per 100.
2-year-old	\$0.15	\$1.25	\$10.00
1-year-old	.10	.90	8.00
Extra large selected bushes	.25		

RASPBERRIES.

Best Red Sorts	.06	.50	4.00
Low prices by the thousand.			

BLACK CAP RASPBERRIES.

	Each.	Per 10.	Per 100.
2-year-old	\$0.08	\$0.75	\$7.00
1-year-old (January 1)	.06	.50	4.00
Low prices by the thousand.			

GOOSEBERRIES.

	Each.	Per 10.	Per 100.
2-year-old	\$0.10	\$0.90	\$8.00
1-year-old	.08	.70	6.00
Large selected bushes	.15		

GRAPES.

	Each.	Per 10.	Per 100.
2-year-old	\$0.20	\$1.50	\$12.50
1-year-old	.15	1.00	8.00
Extra large and strong roots	.25		
Low price for thousand.			

For BLACKBERRIES, LOGAN BERRIES, STRAWBERRIES, see following pages.

Fruits, Berries, Etc.—Continued

Every owner of a home can find a small space or a corner in the garden for some small fruit bushes or plants. Nothing is so nice as to be able to go out at any time in season and pick a few dishes of nice, fresh, ripe, juicy berries for the table.

New Mammoth Blackberry

This wonderful, new Blackberry which was introduced as a novelty several years ago, has proved to be a grand addition to the list of blackberries. The handsome, large, juicy berries are delicious.

This new Blackberry is claimed to be a cross between the wild blackberry and the Crandall's Early. Grows entirely unlike any other blackberry plant known. It is a rampant grower, trailing on the ground, and under favorable conditions will grow twenty feet in a season; the canes are large, of deep red color when exposed to the sun; the foliage is large, thick, of a deep green color. It is enormously productive and exceedingly early, ripening three weeks before other cultivated kinds, thus bringing fancy prices. Fruit is enormous, specimens measuring $2\frac{1}{2}$ inches long; seeds small, soft and abundant; cores small, soft. In size and flavor it is said, by those who have tested it, to surpass all other varieties of blackberries. We offer it to the public, feeling that it is a novelty of real merit.

Prices: Each, 25c.; per 10, \$2.00; per 100, \$15.00.

BLACKBERRIES.

Standard sorts.

Each, 8c.; per 10, 75c.; per 100, \$6.00.

Oregon Evergreen.

Each, 10c.; per 10, 90c.; per 100, \$8.00.

Send for catalog of Nursery Stock for full descriptions.

Free! Free!! Free!!!

To show you that we appreciate your orders, and to get this New Mammoth Blackberry introduced to as many of our customers as possible this year, we have decided to offer the plants FREE, AS PREMIUMS, under the following conditions:

PLANTS FREE WITH CASH ORDERS, AND AT PRICES IN THIS CATALOG ONLY.

You get one plant (when asked for) with each \$2.50 sent for stock. No other premiums or discounts allowed when these plants are taken.

Note.—If you prefer, we will send Logan Berry or Oregon Strawberry Plants.

By ordering a few extra plants with what you will get free with your order, you can get a good start of this grand fruit.

Logan Berry

(Raspberry-Blackberry.)

This comparatively new berry is becoming more popular each year. It is a cross between a blackberry and raspberry. The vine grows entirely unlike the blackberry or raspberry; it trails upon the ground like a dewberry. The canes are very large, without the thorns of the blackberry, but have very fine spines like those found on the raspberry; leaves resemble those of the raspberry more than the blackberry; are of a deep green color, coarse and thick. An exceedingly strong grower and an enormous bearer. The fruit is generally larger than the blackberry, often an inch and a quarter long; color dark red and produced in immense clusters. It partakes of the flavor of both the blackberry and raspberry; a mild, pleasant, vinous flavor, delicious and peculiar to this berry alone. Fruit ripens early, the bulk being gone before the blackberries or raspberries become plentiful. It is firm and a fine shipper. It is excellent for the table, eaten raw or stewed, and for jelly or jam it is without an equal.

Prices: 20c. each, postpaid; by express or freight, 15c. each; \$1.25 per 10; \$10.00 per 100. Low price in quantity.

Complete Nursery Catalog free on request.

We Please Others—We can Please You

Portland Seed Co.

March 31, 1904.

Dear Sirs: I have received my latest order in first rate condition, and am quite satisfied with the way you have filled it. I am also much obliged for the premium packets of seeds.

Yours truly,

MRS. I. C. BURGESS, Brockway, Oregon.

April 26, 1904.

Portland Seed Co.

Dear Sirs: You will find \$1.00 enclosed to pay for the last hundred Strawberry Plants I bought of you. They are all doing fine, and half the plants are in bloom. I have not lost one and will favor you with another order in a few days. Thanking you for your very prompt attention, I am, yours truly,

MRS. CARRIE ADAMS,
Montesano, Wash.

April 26, 1904.

Portland Seed Co.

Gentlemen: The plants ordered by me arrived all O. K., and I am very much pleased with them. Thanks for your promptness. Very truly,

MRS. T. B. HUNTLEY,
Independence, Oregon.

Portland Seed Co.

Gentlemen: Those Oregon Strawberries are all you claim for them. Please accept our thanks for the way you have treated us in the past. Yours truly,

F. EASTMAN, Glenburn, Cal.

October 10, 1904.

Portland Seed Co.

Gentlemen: The trees I bought of you last year are doing nicely. Yours truly,

O. S. NEWMAN,

Ashland, Oregon.

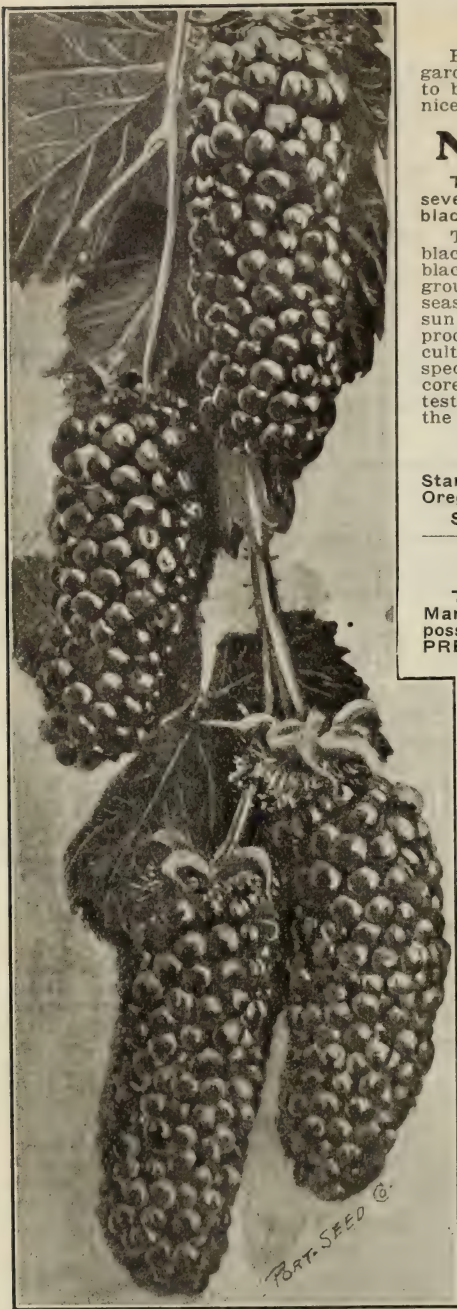
September 26, 1904.

Portland Seed Co.

Gentlemen: The trees we got of your last spring are all doing fine. We are much pleased with them. Yours truly,

RASMUSSEN BROS.,

Bandon, Oregon.



MAMMOTH BLACKBERRIES.

Natural size (cut made from photograph).



Plants grown in our carefully prepared beds are far superior, will come into bearing earlier and will produce finer and better fruit and more of it. Order Portland Seed Company's selected Strawberry Plants. We are sure they will please you.

Our trade in Strawberry Plants has grown so large that we have decided to make a specialty of this branch. We now have large acreage and strong, healthy, well-rooted plants and can furnish them in any quantity. The Strawberry Plants we are now selling must not be classed with those offered and sold by fruit-growers who simply let the strawberry runners take root between the rows after the picking season is over, and dig in the fall regardless of size and quality.

Packed in Ventilated Crates

We have heretofore had many complaints on Strawberry Plants shipped in sacks, so have decided to pack them in light, ventilated crates, protected with moss. Packed in this way they will ship safely and arrive in good condition, even though they are on the road for ten days or two weeks. While we will sort up orders to suit customers, not less than 500 plants of a kind can be ordered at the thousand rate.

POPULAR AND BEST WESTERN SORTS.

Wilson.—A heavy bearer of fine, moderate-sized berries; leading sort for canning.

Magoon.—Large, firm and excellent; sub-acid flavor; bears heavily; later than the Wilson.

Clark's Seedling.—The best shipper; berries large, firm, delicious; vines bear large crops; is especially adapted to dry soil.

Marshall.—Recommended by Corvallis Experiment Station as being the best all-round strawberry; very large; dark crimson throughout; fine flavor; a fine market and table berry. One local grower says in size, appearance, flavor and sweetness it is superior to the Magoon.

New Oregon—Improved

The greatest and grandest Strawberry ever introduced. It always looks bright, fresh and attractive.

This handsome, new strawberry, introduced and placed on the market by us two seasons ago, has made a very favorable impression. We have carefully tested this new berry alongside of many other sorts and for earliness, productiveness and quality it beats them all.

The berry is large, but firm. Color, bright, dark red. The flavor is rich, sweet and delicious. For table use and canning, it can not be equalled. Very early and continues in bearing until late. Very prolific and a heavy cropper. For the family garden this berry will certainly prove the most satisfactory.

Since we introduced this new Strawberry, many parties have taken advantage of our advertising and are offering and selling strawberry plants under the name of "Oregon," "New Oregons," etc. They may be Oregon-grown plants, but if you want the true, genuine, New Oregon, buy of us, the original introducers.

Since we first secured this wonderful berry, we have, by careful selection and cultivation, improved it greatly. We can furnish these plants in any quantity this season and have reduced the price to within the reach of all.

Portland Seed Co.

July 1, 1904.

Gentlemen: I have planted and tested your "New Oregon" Strawberry, which is all you claim for it. My New Oregon plants this spring produced berries of excellent flavor and quality ten days earlier than any other kind in this vicinity. Yours truly,

W. E. LEWIS, Russellville, Oregon.

PRICE LIST OF PLANTS. By express or freight, packed in ventilated crates.

Kinds.	By mail, postpaid.		By express or freight, packed in ventilated crates.	
	Dozen	100	100	1000
Clark's Seedling	\$0.25	\$1.00	\$0.60	\$4.50
Magoon .....	.25	1.00	.60	4.50
Wilson .....	.25	1.00	.60	4.50
Marshall .....	.35	1.25	.75	6.00
New Oregon, each 10c. ....	.50	3.00	2.50	15.00

Not less than 500 plants of a kind at the 1000 rates; 50c. per M less in sacks. Special prices on large quantities. State amount and kind wanted.

NEW OREGON (Life Size).

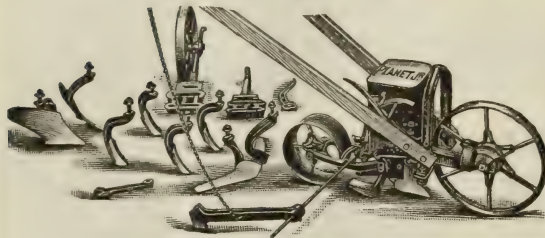


"Planet Jr." Farm and Garden Tools for '05

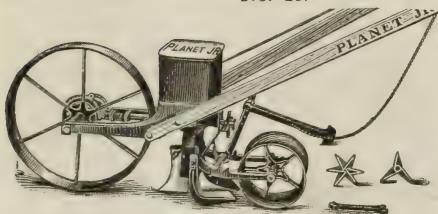
Space will not permit our showing and describing all of the "Planet Jr." tools, but we will send a fully illustrated catalog free for the asking to any who desire it, and we can supply promptly anything ordered. "Planet Jr." goods are standard machines, the best on the market. In sending your orders to us you can rely on getting bottom prices.



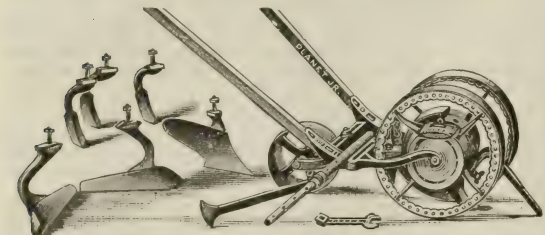
No. 4.



No. 25.



No. 3—HILL AND DRILL SEEDER.



No. 1—COMBINED DRILL.



No. 11—DOUBLE WHEEL HOE.



No. 12—DOUBLE WHEEL HOE.

No. 4 Combined Hill and Drill Seeder and Wheel Hoe Cultivator and Plow. Price, \$11.00; Drill only, \$9.00.

This admirable tool combines in a single, convenient implement a capital hill dropping seeder, a perfect drill seeder, a single wheel hoe, a cultivator and a plow. It holds two quarts, and will sow in a continuous row, or drop in hills at five different distances. It is thrown out of gear by simply raising the handle. The index is accurate, simple and easily set. The drill is detached and the tool frame substituted by removing but one bolt. It then becomes a single wheel hoe, garden plow or cultivator. It is useful almost every day of the season at every stage of garden work.

A set of three rakes supplied when specially ordered. Price, \$1.00 extra.

No. 25 Combined Hill and Drill Seeder and Double Wheel Hoe, Cultivator and Plow. Price, \$14.00.

It practically combines in one tool the No. 4 Drill and No. 12 Double Wheel Hoe. A combination unequaled. Any one can see at a glance the great advantage of this machine. See descriptions of No. 4 and No. 12.

No. 3 Hill and Drill Seeder. Price, \$11 00.

Hopper holds three quarts; driving wheel has an accurate index. The flow of seed is started or stopped by a single movement of the fore-finger.

No. 1 Combined Drill. Price, \$10.00.

This has long been the most popular, combined tool made. From a drill it is changed to its other uses by removing two bolts, when hoes, etc., can be quickly attached.

A pair of six-tooth rakes supplied when specially ordered. Price, \$1.00 extra.

No. 2 Drill Seeder.

Very much like No. 1, except that it has no cultivating tools and holds more seed. Price, \$8.00.

Double Wheel Hoes

The Planet Jr. Double Wheel Hoes are the greatest tools in the world for gardeners. They do more work, and do it better and easier than can possibly be done in any other way. They represent the very highest perfection in every detail.

No. 11 Double Wheel Hoe. Price, \$9.50.

Price includes attachments shown in cut.

No. 12 Double Wheel Hoe. Price, \$7.50.

This tool is identical with No. 11 Wheel Hoe, except that it has fewer attachments. (See cut.)

No. 13 Double Wheel Hoe. Price, \$5.25.

This tool is the No. 11, with 6-inch hoes only, these being the tools that are most generally used. Any or all of the other tools shown with No. 11 may be bought of us at any time, and are sure to fit.

For Broadcast Seed Sowers, see top of page 76.

Complete "Planet Jr., Catalog sent free on request.

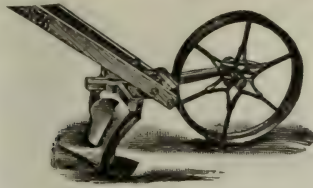
Planet Jr. Machines—Continued



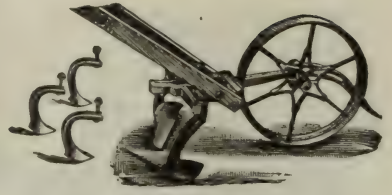
Fig. 60.



Fig. 70.



No. 18.



No. 17 1/2.

Single Wheel Hoes

Single Wheel Hoes are lighter than Double Wheel Hoes, but do almost the same variety of work, though in a different way, being used mostly between the rows instead of straddling them. Nos. 16, 17, 17 1/2 and 18 are all the same model; the only difference is in the number of tools sold with each.

No. 18 Single Wheel Hoe. Price, \$4.00.

This tool has the same frame and handles as No. 16, but has only one pair of 6-inch hoes—the tools that are most constantly used throughout the season. All the other tools can be added as needed.

No. 17 1/2 Single Wheel Hoe. Price, \$5.00.

For attachments see cut.

No. 17 Single Wheel Hoe. Price, \$5.50.

Most popular combination. (See cut.)

No. 16 Single Wheel Hoe. Price, \$6.35.

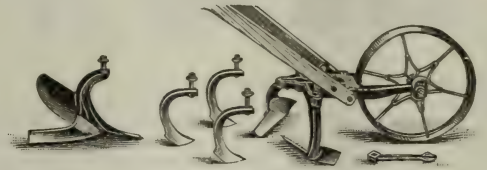
For attachments see cut.

Fig. 70 Onion Set Harvester. Price, \$1.00.

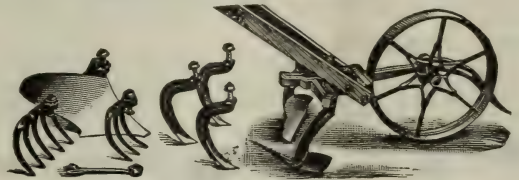
A useful attachment for our Combined Drills and all our Wheel Hoes. Eight-inch size for onions and onion sets. It leaves the crop in the best condition for easy handling.

Fig 60 New Hoe with Shield. Per pair, \$2.00.

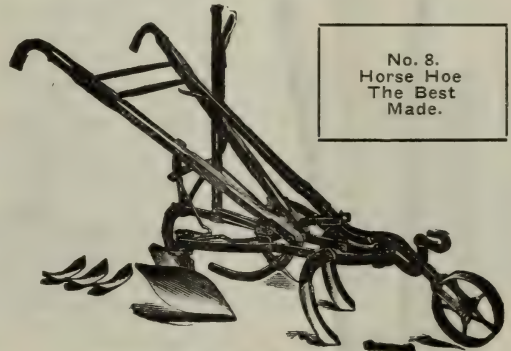
This attachment is very valuable, as you can work up close to the young plants. The shield protects them from clods and dirt that would naturally fall back on them. For double wheel hoes, both right and left.



No. 17—SINGLE WHEEL HOE.



No. 16—SINGLE WHEEL HOE.



No. 8.
Horse Hoe
The Best
Made.

PLANET JR. No. 8 HORSE HOE.

Horse Tools

No. 8 Horse Hoe and Cultivator. Price, with attachments as in cut, \$9.50.

Probably no other cultivating machine is so widely known as the "Planet Jr." Combined Horse Hoe and Cultivator, for it is in use throughout the civilized world. It is so strongly built as to withstand incredible strain, yet it is light and easy to handle.

Planet Jr. No. 9 Horse Hoe and Cultivator. Price, \$8.25.

Similar to No. 8, but without lever attachment on the wheel.

Planet Jr. Twelve-Tooth Harrow, Cultivator and Pulverizer. Price, complete, \$9.50; without Pulverizer, \$7.75; without Wheel or Pulverizer, \$6.50.

This tool has rapidly grown into favor with farmers, market gardeners and strawberry growers. It has a high frame and the chisel-shaped teeth cut an inch wide each. It may be set with teeth trailing. The foot lever pulverizer is a capital addition for preparing ground for the seed drill or for plant setting. Hand levers regulate both width and depth while in motion.

Space will not permit illustrating and describing all of the "Planet Jr." tools, but we will gladly send fully illustrated catalog to any who desire it.



TWELVE-TOOTH HARROW—Complete.

Iron King Seed Drill

The Best Onion Drill.

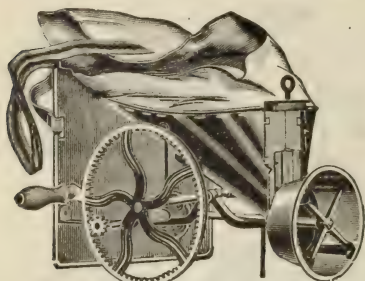
The Iron King Seed Drill is acknowledged by the majority of the large onion growers of Oregon and Washington to be the most practical of the drill for sowing Onion Seed. It is a well made, durable and easy running machine, accurate and reliable, and with careful use will last a lifetime. It will save the price of the machine in sowing a few acres. If you are growing onions you cannot afford to be without one. The Iron King can also be set to sow anything from turnips to peas.

Price, \$9.25.



IRON KING.

Broadcast Seed Sowers



CAHOON.

IMPROVED CAHOON.

This machine is probably the most popular. It has a force feed and does excellent work. Instructions with each machine. Price, \$3.50.

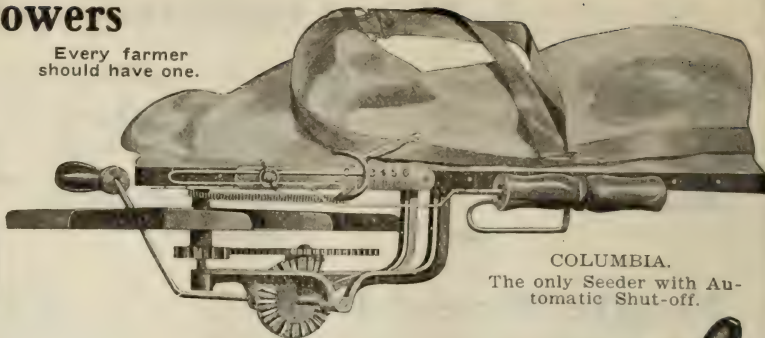
THE COLUMBIA.

A new and practical machine for sowing correctly all varieties of farm seeds. Perfect in distribution. Neat and simple. Has automatic cut-off and regulator. The lightest running of all seed sowers. The lowest priced, standard machine manufactured. Each machine packed separately. Price, \$2.25.

NEW PREMIER.

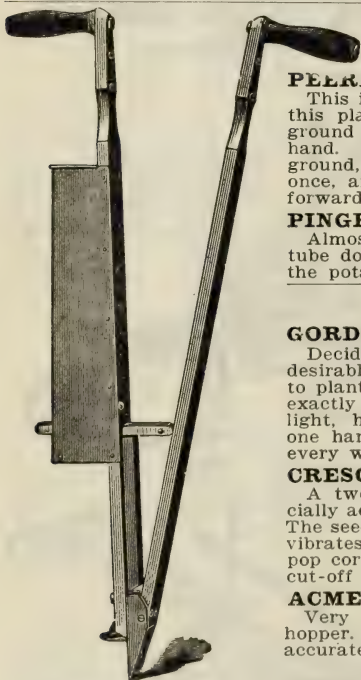
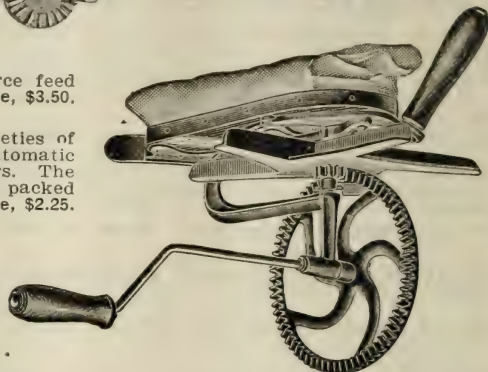
A strong, neat, compact, seed sower for sowing any kind of seed or grain. The best, low-priced, hand seed sower on the market. Superior in every way to the so-called, cheap sowers. Price, \$1.50.

Every farmer should have one.



COLUMBIA.

The only Seeder with Automatic Shut-off.



Potato Planters

PEERLESS.

This is the lightest and best tubular planter made. With this planter one man can plant several times as much ground without getting a lame back as he can plant by hand. The planter locks itself as it is lifted out of the ground, so that the next potato may be dropped in at once, and opens automatically as the top of it is moved forward in walking. Price, \$1.50.

PINGREE OR ACME.

Almost identical with the above except that it has no tube down the handle. You lift the planter up and drop the potato in the lower part. Price, \$1.25.

Corn Planters

GORDON AUTOMATIC.

Decidedly the best, hand corn planter made, and a very desirable implement for those who have a quantity of corn to plant. It puts the corn (the right number of kernels) exactly where you want it, and at a proper depth. It is light, handy, automatic, easily worked, requiring only one hand (either one), and a most satisfactory tool in every way. Price, \$1.50.

CRESCENT.

A two-hand planter; light, strong and durable. Especially adapted for planting in heavy, cloddy or stony soils. The seed dropper of the Crescent is a straight slide, which vibrates horizontally and will drop seeds ranging from pop corn to large kidney beans. Made with spring, brass cut-off and steel blades. Price, \$1.25.

ACME.

Very much like the above, except that it has a round hopper. The feeding device is very accurate. Well made. Price, \$1.00.

CRESCENT.



PEERLESS.

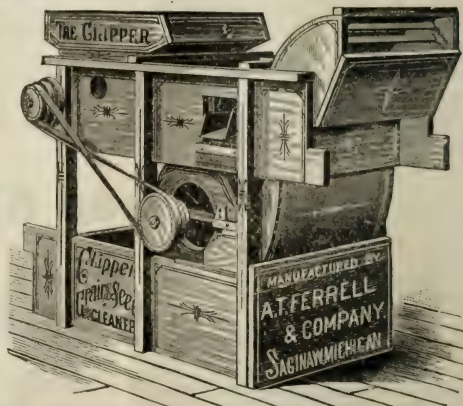
The Clipper

GRAIN, SEED AND BEAN CLEANERS.

This is without doubt the best seed and grain cleaner on the market today. When it comes to doing real nice, clean work, it is far ahead of all the others. The "Clipper" is especially adapted for making effectual separation of wild oats, cheat, cockle and all foreign seed from wheat and oats, as well as cleaning the perfect seed. Other manufacturers depend entirely upon screens for this work, and with unsatisfactory results. The "Clipper," however, screens all straw and foreign matter from the grain before it enters the air shaft, and the "Vertical Blast" does the rest. The screens are so arranged as to be in plain view, and of easy access to the operator while machine is in operation. Seed dealers everywhere use the "Clipper," because they are the best. Descriptive catalogue sent on request.

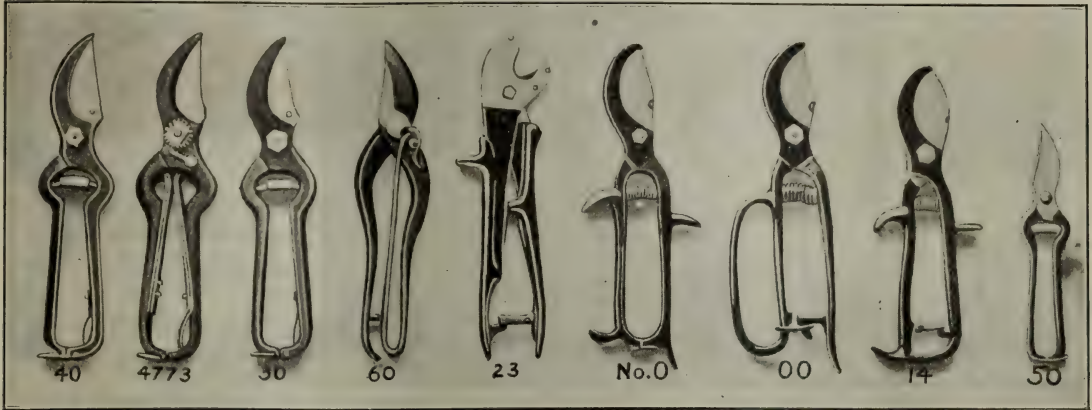
Price: No. 1, \$28.00; No. 2, \$35.00.

We have used "The Clipper" for years ourselves. It's O. K.



No. 1 CLIPPER.

Pruning Tools, Knives, Weeders, Etc.



Note.—Compare numbers on cut to those in descriptions.

- No. 4773.—9 inch; full polish, with double brass springs; best American make\$1.50; postpaid, \$1.70.
 No. 40.—9 inch; bright finish, polished blade, spiral steel spring; made for hard service\$1.00; postpaid, \$1.15.
 No. 30.—9 inch; German make; black finish, polished blade; very good75c.; postpaid, 90c.
 No. 50.—6 inch; nickel plated; small, but of best material; fine for ladies75c.; postpaid, 85c.
 No. 51.—Same as above except it is 7 inches\$1.00; postpaid, \$1.10.
 No. 23.—Levin Pruner, 7 inch; new style, cuts clean; cuts $\frac{1}{2}$ inchPostpaid, 75c.

- No. 24.—9 inch; same style as above; cuts $\frac{3}{4}$ inch Postpaid, \$1.00.
 No. 14.—Good low-priced tool 50c.; postpaid, 65c.
 No. 12.—Similar to 14; steel spring...55c.; postpaid, 70c.
 No. 0.—Cheap but good40c.; postpaid, 55c.
 No. 0 $\frac{1}{2}$.—Similar to 0; flat spring...45c.; postpaid, 60c.
 No. 00.—Loop handle; very handy...50c.; postpaid, 65c.
 No. 60.—Perfection, 9 inch; imported French shear, powerful and strong; cuts easily\$3.00; postpaid, \$3.15.
 No. 61.—8 inch; same as above...\$2.75; postpaid, \$2.85.
 No. 62.—7 inch; same as No. 60...\$2.50; postpaid, \$2.60.

LONG HANDLE TREE PRUNERS.

Indispensable in pruning tall trees (see cut).

6 feet, 75c.; 8 feet, \$1.00; 10 feet, \$1.10; 12 feet, \$1.25.

Cannot go by mail. Purchaser will have to pay freight or express charges.

PRUNING SAWS.

Crescent, 12 inch blade70c.
 Crescent, 14 inch blade75c.
 Straight Blades 50c. to 75c.

GRAFTING WAX.

$\frac{1}{4}$ lb., 10c.; $\frac{1}{2}$ lb., 25c.; lb., 35c.; postage, 18c. per lb.

RAFFIA.

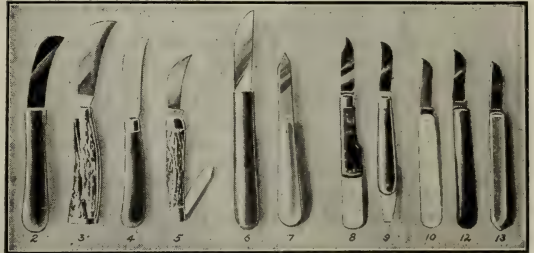
For tying plants and buds.

Lb., 25c.; by mail, 50c.
 For colored Raffia, see page 79.

BRANCH SHEARS.

Very convenient, strong, and cuts easily (see cut).

26-inch handle\$1.00
 41-inch handle 1.25



Compare numbers on cut to those below.

BUDDING KNIVES.

- No. 8.—Ebony handle, stationary ivory bark opener; price\$1.00.
 No. 9.—Wood handle, polished, movable ivory bark opener80c.
 No. 10.—Ivory handle, very light and fine\$1.00.
 No. 12.—Black handle; very light and fine80c.
 No. 13.—Plain wood handle, stationary blade25c.
 No. 5.—Budding and pruning knife combined...\$1.00.

GRAFTING KNIVES.

- No. 6.—Plain wood handle, stationary blade35c.
 No. 7.—Plain wood handle, stationary blade, smaller;25c.

PRUNING KNIVES.

- No. 2.—Plain wood handle, stationary blade50c.
 No. 3.—Large horn handle, very strong\$1.50.
 No. 4.—Polished wood handle85c.

Will send any of the above Knives, postpaid, at these prices. See numbers on cut.



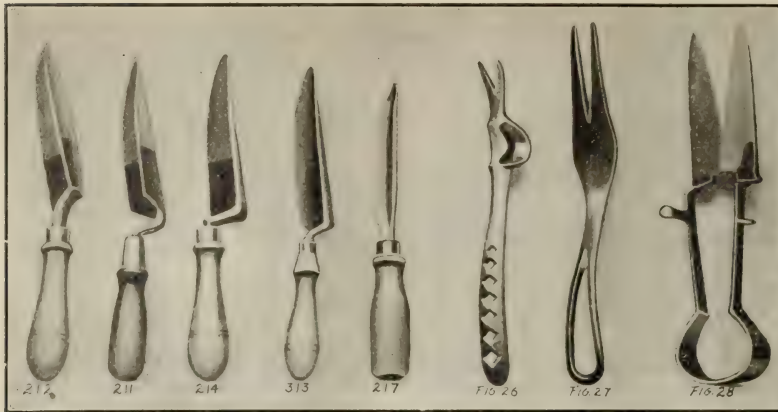
FIVE OF THE BEST HAND WEEDERS MADE.

- Fig. 21.—Lang'sPostpaid, 25c.
 Fig. 22.—CombinationPostpaid, 30c.
 Fig. 23.—Hazeltime'sPostpaid, 30c.
 Fig. 24.—ExcelsiorPostpaid, 20c.
 Fig. 25.—Noyes'Postpaid, 30c.
 Weeders are about 10 in. long (see cut).



BRANCH SHEAR.

Tools, Garden and Florist Supplies—Continued



See descriptions of numbers on above cut.

GARDEN TROWELS.

Don't class these tools with the cheap stock offered by the department stores. (See cut.)

No. 211. Six inch; blade and shank of one piece of steel. The best tool of its kind in the market.

No. 313. Six inch; good steel trowel, with malleable iron shank, firmly riveted.

No. 214. Six inch; steel trowel, stronger and better finished than the above.

No. 212. Seven inch; a first-class trowel.

No. 217. Six inch; steel transplanting trowel.

No. 217. Eight inch; steel transplanting trowel.



In this new tool you get a sickle, weeder and grass edger, 3 in 1.
Price, 75c.

Dandelion Pullers

A most convenient tool for digging these troublesome weeds.

Fig. 26—Vaughn's (see cut).

50c.; postpaid, 60c.

Fig. 27—Whitnall's (see cut).
30c.; postpaid, 45c.

GRASS SHEARS.

Fine for trimming borders and edges. Good make, 6-inch blade. (See cut). Each, 60c.

FLOWER SHEARS.

Nickel plated, cuts and holds the flower from falling until opened again. 80c.; postpaid, 90c.

GRAPE SHEARS.

Made like the above. 80c.; postpaid, 90c.

GRASS HOOKS OR SICKLES.

These are regular style and shape.

English. First class 75c.

German. No. 2, good grade 35c.

German. No. 1, best cheap sickle 30c.

MASTICA.

For Glazing New or Old Greenhouses.

The use of "Mastica" avoids the necessity of repeatedly reglazing the houses, saving much time and expense. With "Mastica" can be in, or use outside with machine. Broken glass can be easily removed and replaced by new without breakage of other glass, which usually occurs with hard putty. One gallon will cover about 290 running feet (one side). Price, per gal., \$1.50.

TWEMLOW'S OLD ENGLISH GLAZING PUTTY.

Semi-liquid, to be used same as Mastica. Per gallon, \$1.40.

PUTTY BULBS.

Very convenient for applying liquid putty in glazing greenhouses. (See cut.) Price, \$1.00.

GLAZING POINTS.

Peerless.—Best point made. No raising up when driven; no rights, no lefts; no sliding; no trouble to apply. Cheap, indestructible. Once used always used. (See cut.) 1000 in box.

Price, 75c.

MISCELLANEOUS FLORISTS' AND NURSERYMEN'S SUPPLIES.

BOOKS. For florists. See page 98.

BOSTON SCRIPT LETTERS.

Neatest and best made. Can supply the following words: Asleep, Baby, Husband, Wife, Grandma, Grandpa, Father, Mother, Brother, Sister, At Rest, Our, My. Price per letter, 4c.

CHENILE for letters.

Purple, light blue, red, white, yellow.

Per skein of 12 yards, 35c.

PLANT STAKES.

Round Cedar, painted green, white tops. 3 ft., 75c. doz.; 3½ ft., 80c.; 4 ft., 85c.; 5 ft., \$1.35; 6 ft., \$2.00.

Bamboo. 4 ft., 20c. doz.; 5 ft., 25c.; 6 ft., 30c.

PENCILS.

Indelible, nickel tip, for marking labels. Each, 15c.

OREGON MOSS.

We have this gathered, dried and put up in bales of about 100 pounds each for florists' and nurserymen's use. Write for price by ton or carload.

Per lb., 5c.; 100 lbs., \$3.00.

THERMOMETERS. Made for hot beds...Each, \$1.00.

TWEEZERS. For florists; 5 inchEach, 25c.

TIN FOIL.

Florist, regular stock Lb., 15c.; 10 lbs., \$1.25.

Pure, very best grade Lb., 65c.

WIRE. Bright annealed, No. 30 Per lb., 20c.

WIRE HANGING BASKETS.

8 inch, 20c.; 10 inch, 25c.; 12 inch, 30c.; 16 inch, 60c.

WOODEN LABELS.

Tree Labels. Per M. Per M.

Painted, wired \$1.00; not wired, \$0.70

Unpainted, wired \$0.85; not wired, \$0.60

Painted, copper wired \$1.20; not wired, \$1.00

Pot Labels.

4 inch, plain \$0.65; painted, \$0.85

5 inch, plain \$0.85; painted, \$1.15

6 inch, plain \$0.95; painted, \$1.25

8 inch, plain \$2.75

We import annually large quantities of Flowering Bulbs and Roots for Florists' and Gardeners' use. Catalog and prices on request.



Flower Pots

Fern and Bulb
Pans — Saucers



	Standard Pots.		Saucers.	
	Each.	Doz.	Each.	Doz.
2 inch	\$0.03	\$0.20		
3 inch	.04	.35		
4 inch	.05	.50	\$0.03	\$0.30
5 inch	.07	.70	.04	.35
6 inch	.10	1.00	.05	.50
7 inch	.12	1.25	.07	.75
8 inch	.15	1.60	.08	.80
9 inch	.25	2.50	.10	1.00
10 inch	.30	3.20	.12	1.25
12 inch	.50	5.00	.20	1.80
15 inch	.90	9.60	.25	2.40

Fern Pans (See cut.)

6 inch, each, 12c.; per dozen	\$1.25
7 inch, each, 15c.; per dozen	1.60
8 inch, each, 20c.; per dozen	2.00

Tulip Pans (See cut.)

Fine for small bulbs, etc.	
6 inch, each, 10c.; per dozen	\$1.00
7 inch, each, 12c.; per dozen	1.25
9 inch, each, 15c.; per dozen	1.60
10 inch, each, 20c.; per dozen	2.00

Azalia Pots (See cut.)

Fine for large bulbs and small palms, plants, etc.	
5 inch, each, 10c.; per dozen	\$0.85
7 inch, each, 15c.; per dozen	1.60

All the above pots are carefully made of the best, light colored clay. Special prices to buyers in large quantities.



We have a valuable little book on Basket Making, only 25c., postpaid.

Raffia and Reeds

For Basket Making.

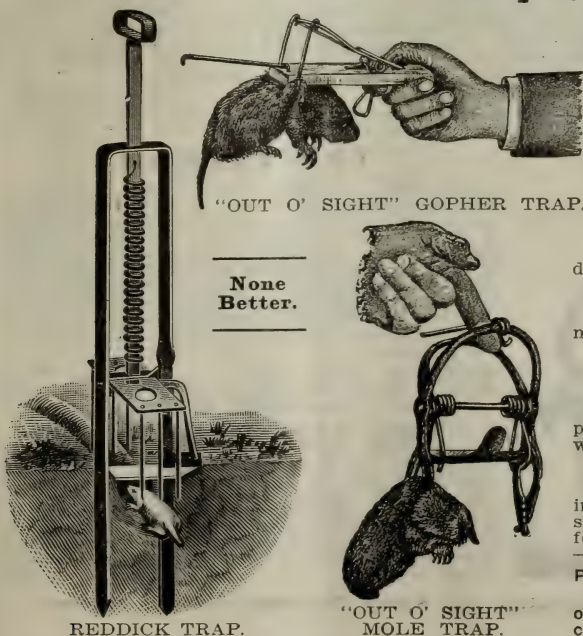
Of late Raffia weaving has become very popular. Baskets, Jewel Boxes, Shopping Bags, Mats, Cushions, Slippers and Hats are but a part of the many useful articles woven.

Raffia.—We formerly had Raffia in the natural color only, but now we have it in almost any shade, the popular colors being red, green, yellow, orange, brown, black, blue and purple. Prices: Natural color, 1/4-lb. packages, 10c., postpaid 15c.; per lb., 25c., postpaid 50c. Colored Raffia, per package, 10c., postpaid 15c.; per lb., 75c., postpaid \$1.00.

Reeds.—In the weaving of the larger baskets Reed is used as a frame or foundation, making them firmer and heavier. We have these in six sizes, put up in 10c., 15c. and 20c. packages; 5c. extra for postage. By the pound, No. 1, \$1.60; No. 2, \$1.40; No. 3, \$1.30; No. 4, \$1.15; No. 5, \$1.00; No. 6, 90c. If wanted by mail, add 25c. per lb. extra for postage.

Send for free pamphlet, "Notes on Raffia," also samples of Raffia, all colors.

Traps, Etc.



BEFORE TAKEN.



AFTER TAKEN.

MOUSE AND RAT TRAP.

"Out O' Sight" Rat Trap.	Postpaid, 25c.
"Out O' Sight" Mouse Trap	Postpaid, 10c.

OUT O' SIGHT GOPHER TRAP.

When properly set will catch 19 out of 20. Full directions with each Trap. (See cut.) Postpaid, 25c.

OUT O' SIGHT MOLE TRAP.

One of the best mole traps ever offered. Full information sent with each trap. (See cut.)

Price, each, \$1.00; postpaid, \$1.25.

REDDICK MOLE TRAP.

No Mole Can Pass Under It and Live.

These traps are strong and durable and worth the price to anyone troubled with moles. Full directions with each trap. (See cut.) Price, \$1.00; can not mail.

PORTLAND SEED CO.'S GOPHER GUN.

Far superior to the old styles; breech loader; place in the runway; perfectly safe. Made for 16-gauge shells; discharged by a push or a pull and can be set for hawks, coyotes and coons.

Price, \$1.75.

Portland Seed Co.

May 18, 1904.

Sirs: Your Gopher Traps are quite a success. Caught over two hundred last year and never missed a single one. Yours truly, A. L. SMITH, Kingston, Idaho.

Spray Pumps

Every grower of fruit, berries or flowers should have a good sprayer or spray pump of some kind, one suited to the work that is to be done. If you want to get the best results you must spray, and spray often. Remember, a person derives the same satisfaction from using a good spray pump that he does from using a good article of any other kind; so when you buy, buy some of the following up-to-date and reliable outfits:

Gould's Pomona

OUR LEADING BARREL PUMP.

Fig. 1100. "Pomona" Spray Pump has won for itself an enviable reputation. We unhesitatingly offer it as the best orchard spray pump for mounting in a barrel. It has great power and capacity. Briefly stated, other points of superiority are: No leather packings, consequently no hardened and useless valves. All working parts bronze, including plunger, gland, valves, valve seats, etc. Plunger is outside packed. Valves are easily accessible. Air chamber is very large and of steel, free from imperfections of cast iron. Lever long and powerful, with adjustable stroke, three, four or five inches. The agitator, as shown in the cut, is operated by the stroke of the handle, so whenever any liquid is pumped it is thoroughly agitated. Pump is held securely by small anchor located at bottom of barrel and by adjustable clamp plate at the top. New plate admits insertion or withdrawal from barrel without removing the agitator.

OUTFIT A.—Pump only\$15.00

OUTFIT B.—Pump with 10 feet $\frac{1}{2}$ -inch best spray hose, one Vermorel nozzle, one 8-foot bamboo extension, with globe valve, all complete\$19.25

OUTFIT C.—Same as Outfit B, except we furnish a good hardwood barrel and mount the outfit....\$21.75



Fig. 1100—POMONA.

OUTFIT D.—This is our regular Pomona outfit, the best barrel pump outfit that can be bought. It consists of one No. 1100 pump with two 15-foot leads of best 4-ply spray hose, two Vermorel or Seneca nozzles, two 8-foot bamboo extensions, with globe valves, all in working order and mounted on barrel ...\$25.00

Gentlemen.—After using four other makes of spray pumps, I bought a Pomona and found it a great success. I sprayed thirty acres of orchard with it for two seasons, and it was still as good as new and had cost nothing for repairs. Last season, for my increasing business, I bought a Sentinel Jr., and find it equal to any demands that I can make on it. It is powerful, durable, readily cleaned and easy to work even at 100 to 125 pounds pressure. I consider it unequaled. Yours respectfully,

WM. KENNEDY, Hood River, Oregon.

Sentinel, Jr.

Fig. 1316. Gould's "Sentinel Jr." double acting spray pump is designed especially for, and meets the requirements of, the best orchardists desiring quick work at high pressure. Notwithstanding the large capacity of this pump, one man can operate it constantly against over 100 pounds pressure, without undue effort. Six nozzles are often used, with several leads of hose. Piston is easily and quickly repacked, and all valves easily accessible. Piston, piston rod, valves, valve seats and cylinder lining are brass. Piston rod is outside guided, so that it runs perfectly straight. Pump is now made with removable brass lining, which can be quickly withdrawn by removing the cylinder head. Pump ordered without hose has one-inch suction and two $\frac{1}{2}$ -inch discharge brass hose couplings, also brass strainer. Brass "Ys" for fittings two leads of discharge hose on a side furnished when ordered. Air chamber 5x30 inch.

Pump only, with Strainer, \$30.00.
Add \$2.50 to price of pump if pressure gauge is wanted.

Five feet of Suction Hose, \$1.75.

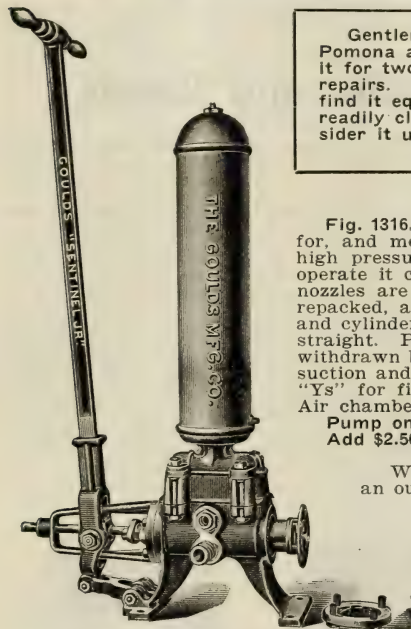
We can furnish any outfit desired with this pump. Write for prices on an outfit made "p to suit you."

January 5, 1903.

Gentlemen:—A year ago I purchased from you a Sentinel Jr. Spray Pump. I have used it one season on my 20-acre orchard, and can truthfully say that I am well pleased with the results obtained. For simplicity in construction, durability in wear, easy operation, and thorough work, it receives my hearty recommendation.

Yours respectfully,

A. I. MASON,
Liberty Home, Hood River, Oregon.



SENTINEL JR.—Fig. 1316.



THE FRUITALL.—Fig. 1188.



Fig. 1129.

"The Fruitall"

Fig. 1188. "Fruitall" Spray Pump is made on the same general lines as our now famous "Pomona." It is, however, made lighter and of smaller capacity. All working parts, including plunger, gland, valves, valve seats and strainer, are made of brass. Regularly fitted with double wing paddle agitator, same style as used on "Pomona," and which has proved to be the best type. Pump is held in barrel by anchor at bottom and adjustable clamp at top, fitting over end of stave. Not made for side of barrel.

OUTFIT A.—Pump only\$11.00

OUTFIT B.—Pump with 15 feet 4-ply spray hose and one Vermorel nozzle, all complete\$14.00

Fig. 1129—Bucket Pump

Brass garden and spray pump; is especially designed for spraying in gardens and green houses. The pump is double action in effect; ball valves, proof against the action of acids and oils. Foot piece is malleable iron. Our "Seneca" nozzle is furnished with pump. Pump has no suction hose, but is set in pail or bucket, with foot-rest outside. Price, complete\$4.00

Spray Pump circular, containing Testimonials and Spray Calendar, free on request.

KNAPSACK PUMP.

Fig. 1323. Consists of five-gallon, galvanized tank inside of which is brass pump. Is provided with straps for carrying on the back, or may be used as a bucket sprayer by removing long lever and operating pump by handle at top. Price, \$7.50.

PRIZE BUCKET PUMP.

All working parts are brass, bronze ball valves and malleable iron foot-rest. A splendid pump at a low price. Price, \$3.50.

BUCKET PUMP.

Fig. 561½. Brass bucket pump, arranged with suction and discharge hose and spray nozzle. With this nozzle a solid stream or a fine spray may be thrown. Pump has brass cylinder, plunger and rod. Pump is particularly adapted for washing windows and wagons, spraying flowers in conservatories, gardens, etc. Price, complete, \$5.75.

Nozzles Extras
etc., see
page 82.



PRIZE.

ASPINWALL POWDER SPRAYER.

Fig. 20. Excellent for blowing powder on vines and bushes; good size and works fine. Price, \$1.25.

ASPINWALL SPRAYER.

Fig. 30. One of the most convenient and economical for using liquid lice killers, sprays, etc. Nothing cheap but the price. Price, 75c.; charges paid, \$1.00.

ELECTRIC SPRAYER.

Fig. 40. A well made, good size, hand sprayer for spraying liquid of any kind. Holds one quart.

Price, \$1.00.

SMITH'S PATENT FORCE PUMP.

Fig. 50. Just the thing for whitewashing your hen-house, washing windows and other light work. Fine for sprinkling the garden; handy in case of fire. Tin; four nozzles. Price, \$1.00.

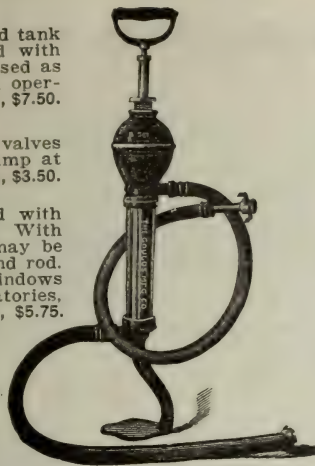


Fig. 561½.



KNAPSACK 1323.

WOODASON'S SPRAYERS.

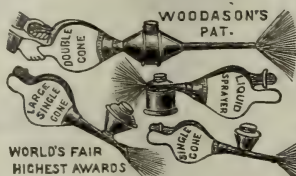
Well known sprayer; the powder sprayers are especially good. (See cut.)

For powder, small size, \$1.50; large size\$2.00

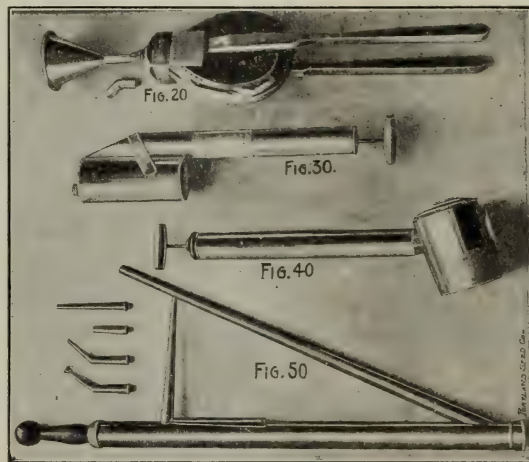
For powder, double cone\$3.00

For liquid, small, \$1.50; large size\$2.00

Finest Hand Sprayer out for house plants.



WOODASON'S.

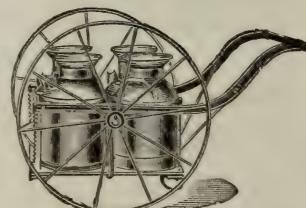


DAVOL.

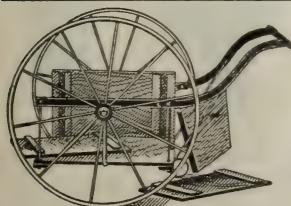
Daval Plant Sprinklers

The bulb is of smooth, firm quality, white rubber. The tips are of hard rubber, well fastened at the neck; will not rust or corrode. A turn of the wrist unscrews the tip to fill bulb by suction.

	Each.	Postpaid.
No. 2, 6 ounce, straight tip	\$0.70	\$0.80
No. 3, 8 ounce, straight tip .....	.75	.85
No. 4, 10 ounce, straight tip .....	.80	.90
No. 6, 6 ounce, bent tip .....	.75	.85
No. 7, 8 ounce, bent tip .....	.85	.95
No. 8, 10 ounce, bent tip	1.00	1.10



No. 1, Without Box.



No. 2.

Butler Hand Cart

This cart is made with a platform box set on a dropaxle, so as to be near the ground. It can be used as a barrel cart or for hauling fruit, vegetables, wood, garden truck, grain, leaves, cut grass, trash, ensilage, fertilizer, barrels, kegs, boxes, packages, etc., about the place. The best all-around cart. Strong and well made. Iron wheels, 36 inches high, 1¼-inch tire; frame all steel; platform 28x32 inches square; side boards, 15 inches high; box of hard wood. Fills the want for a two-wheel cart better than any other invention. Its usefulness is unlimited and is not confined to one special purpose. The detachable box increases its utility.

Price: No. 1, \$10.00; No. 2, with hard wood box, \$11.75.

Nozzles, Connections and Hose Supplies

Fig. 81. "Seneca" Spray Nozzle gives a very wide spray, covering a great area. The discharge can be easily graduated. The nozzle may be cleaned by turning plug across the opening. The discharge is fan-shaped, and can be instantly shut off when not required, thus preventing waste of liquid. Recommended for orchard work. Price, \$1.00.

Fig. 55. "Vermorel" spray nozzle with degorger affords a conical discharge, adapting it for close-range spraying of vines, trees, etc. It is readily cleaned in operation by pulling or pressing the degorger against limb of tree, or pressing with thumb. A very popular nozzle everywhere. Price, \$1.00.

Fig. 1103. Two - Discharge "Vermorel" nozzle covers twice the surface sprayed by the single nozzle. It is without doubt the best nozzle for general orchard work. Price, \$2.00.

Fig. 51. "Cyclone" spray nozzle gives spray similar in form to that of the "Vermorel." Unlike "Vermorel," the "Cyclone" has no degorger. Price, 50c.

Fig. 52. "Pacific Cyclone," differs from Fig. 51 only in that it has end discharge. Both are cut for 1/4-inch pipe. Price, 60c.

Fig. 965. Bordeaux Spray Nozzle. Use this nozzle for whitewashing. Will throw a fine fan-shaped spray and will readily free itself, should it become clogged, by turning the cockhandle. It will throw a solid stream or may be shut off altogether, as desired. It is especially recommended for use in connection with the Bordeaux Mixture. Price, \$1.00.

Fig. 48. Bamboo Extension. Has iron pipe inside of bamboo, making an easy and convenient extension to handle. Has stopcock fitted for 1/2 or 3/4-inch hose. Other end cut 1/4-inch pipe thread to fit our spray nozzles.

	Bamboo.	Iron.
2 to 4 feet, with Globe Valve. Each	\$1.50	\$1.00
6 feet, with Globe Valve. Each	1.75	1.15
8 feet, with Globe Valve. Each	1.75	1.25
10 feet, with Globe Valve. Each	2.00	1.35

Fig. 753. Globe Valve. Can be used on any of our pumps for closing off one nozzle at a time; 1/4 inch round. Price, 65c.

Fig. 49 1/2. Brass "Y," is cut 3/4-inch female thread on inlet, and 1/2 or 3/4-inch male thread on lateral discharges. Price, 75c.

Fig. 336. Three-Way Cock. Price, \$1.75.

Fig. 67. Nozzle Coupling and Hose Stock. Price, 25c.

Fig. 65. Nozzle and Hose Coupling. Price, 30c.

Brass Yerdon's Bands. 1/2 or 3/4 inch. Postpaid, each, 5c.; per dozen, 50c.

Couplings.

1/2 or 3/4 inch	Postpaid, 25c.
1 inch	Postpaid, 30c.
1 1/4 inch	Postpaid, 50c.

Caldwell Bands.

Bend around the hose, tighten with pliers and you have a secure fastening.

1/2 inch	Per dozen, 25c.
3/4 inch	Per dozen, 30c.

Hose Menders.

Iron. 1/2 inch or 3/4 inch.	5c.; 1 inch	10c.
Brass. 1/2 inch or 3/4 inch		10c.

Hose Washers.

1/2 inch	Per dozen, 10c.
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Lawn Sprinklers.

Gem Pipe Nozzle	Price, 45c.
Golden Gate	Price, \$1.00.
Rain Maker	Price, 50c.

Adjustable Lawn Sprinkler. Screws on to hose couplings, throws the water high or low, coarse or fine; very handy and convenient. Price, 25c.

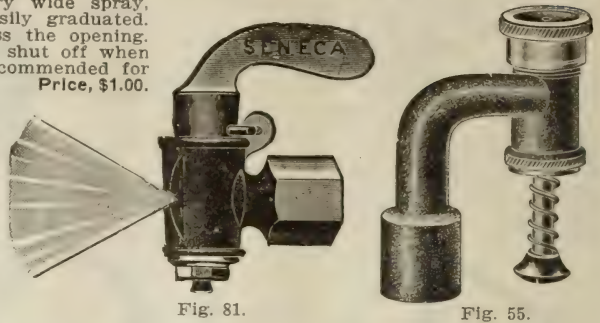


Fig. 81.

Fig. 55.

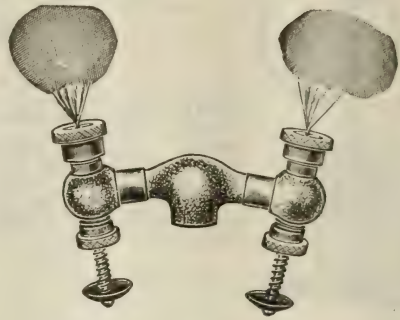


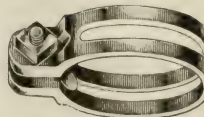
Fig. 1103.



Fig. 753.



Fig. 965.



Yerdon Band.



Fig. 67.



Fig. 48.



Golden Gate.



Fig. 65.



Couplings.

Send for Spray Pump Catalog and Spray Calendar. Free.

Spray and Garden Hose



RUBBER HOSE.

COTTON HOSE.

This season we are offering our customers a very complete and reliable line of spray and garden hose. We buy in very large quantities, direct from the manufacturers, which places us in a position to quote the following very low prices. Most of the brands we offer are manufactured especially for us and can be obtained nowhere else. Buy hose that is guaranteed.

P. S. CO'S "POMONA" SPRAY HOSE.

Our seamless tube spray hose, we honestly believe to be the best hose of moderate price. We have sold it for several years and the more experience we have with it the better it pleases us. Inside tube is very heavy and is made especially to stand the strong acids used in spraying. This year we are having it made with seven plies of canvas instead of four as formerly, as experience has shown that a large number of plies makes the hose more flexible and reduces the possibility of breakage and kinking. This brand is fully guaranteed for one season for use as spray hose, and we feel sure that it will answer all requirements. It also makes very superior hose for use on the garden or lawn and will last five or six years for this purpose.

Price, $\frac{1}{2}$ inch, per foot, 15c.; $\frac{3}{4}$ inch, 17c.

"HOOD" GARDEN HOSE.

This is an excellent grade of garden hose and is fully guaranteed. It is made with five heavy plies of canvas and with good, thick, inside tubing. We have no hesitancy in recommending this for ordinary garden use.

Price, $\frac{1}{2}$ inch, per foot, 12c.; $\frac{3}{4}$ inch, 14c.

ST. HELENS GARDEN HOSE.

This is a good grade of garden hose of moderate price. Is guaranteed and where a hose of medium price is wanted it will give excellent satisfaction.

Price, $\frac{1}{2}$ inch, per foot, 10c.; $\frac{3}{4}$ inch, 12c.

COMPETITION GARDEN HOSE.

This is the cheapest hose we have. It is not guaranteed, but in some cases where a hose is required only for a short time, it will give excellent service.

Price, $\frac{1}{2}$ inch, per foot, 5c.; $\frac{3}{4}$ inch, 6c.

NOTE—All of our hose is furnished in 50-foot lengths and comes coupled ready for use. We will cut any of these hose in 25-foot lengths at an additional cost of 25c. for couplings. We will cut $\frac{1}{2}$ -inch Pomona Spray Hose in any length desired, at an extra cost of 25c. in less than 25-foot lengths.

COTTON GARDEN HOSE.

There is a constantly growing demand for a light weight, yet strong, durable hose, which will stand good pressure, but still is not heavy to handle. This demand has been fully met by our new process, rubber lined cotton hose. The rubber lining is of the best quality. The hose is made in 50-foot lengths and is already coupled.

Best Cotton—Good value for the money.

Per foot, $\frac{1}{2}$ inch, 13c.; $\frac{3}{4}$ inch, 15c.

Second Grade.

Per foot, $\frac{1}{2}$ inch, 9c.; $\frac{3}{4}$ inch, 11c.

SUCTION HOSE.

This is an excellent grade of suction hose, and is what we furnish with our regular pump outfits.

Price, 1 inch, per foot, 35c.

Spray Material and Washes

For Destroying Insects, Scale, Etc.

DUNN'S PREPARED SPRAYS.

No. 1.—Winter Spray for San Jose Scale and Peach Curl Leaf. Ingredients: Salt, lime, sulphur, etc. For winter use, 1 lb. to 3 gals. of water; for summer, 1 lb. to 8 gals. of water.

Price, 1 lb., 10c.; 25 lbs. to 50 lbs., 5c. per lb.; 100 lbs. or more, at $\frac{4}{5}$ c. per lb.

No. 2.—For San Jose Scale and Woolly Aphis. Ingredients: Sulphur, lime, blue vitriol. For winter use, 1 lb. to 2½ gals. For a preventive, 1 lb. to 5 or 6 gals. For summer, 1 lb. to 8 or 10 gals. For Codlin Moth, add to 8 or 10 gals. of solution a full ½ oz. of Paris Green or London Purple. Price, 1 lb., 10c.; 25 lbs. to 50 lbs., 6c. per lb.; case of 100 lbs. or more, $\frac{4}{5}$ c. per lb.

No. 5.—Whale Oil Soap. Summer spray for hop louse and green aphid. Use 1 lb. to 7 gals. of water.

Price, 1 lb., 10c.; 25 to 50 lbs., $\frac{5}{8}$ c. per lb.; case of 100 lbs. or more, 5c. per lb.

No. 7.—Bordeaux Mixture for Fungl. Ingredients: Sulphate of copper and lime. For winter use use 1 lb. to 2 gals. of water; for summer, 1 lb. to 4 gals. of water.

Price, 1 lb., 10c.; case of 25 lbs. to 50 lbs., 7c. per lb.; case of 100 lbs. or more $\frac{6}{5}$ c. per lb.

No. 7.—Bordeaux in Liquid Form. 1 gallon makes 50 gallons of spray. Qt., 60c.; 2 qts., \$1.00; gal., \$1.50.

Nico-Fume. Tobacco paper insecticide.

Per can of 24 sheets, 85c.

Aphis Punk. A preparation for the extermination of aphid, green and black fly, thrip, etc.

Per roll, 5c.; box, 12 rolls, 60c.

Arsenic Soap. To kill aphid. Per can, 25c.

Bluestone. Lb., 10c.; 10 lbs., 80c.

Buhack. Per oz., 10c.; $\frac{1}{4}$ lb., 25c.; 1 lb., 75c.

Fostite. For mildew or fungus. Per lb., 15c.

Fir Tree Oil Soap. For killing green aphid.

$\frac{1}{2}$ -lb. can, 25c.; by mail, 35c.; 2 lbs., 75c.

Hammond's Slug Shot. For destroying slugs, cabbage and turnip flea, currant worms, etc.

Per lb., 15c.; 5-lb. package, 50c.

Hammond's Grape Dust. To prevent mildew on roses, grapes and gooseberries. Lb., 15c.; 5-lb. pkg., 50c.

Hellebore. $\frac{1}{4}$ lb., 15c.; $\frac{1}{2}$ lb., 20c.; 1 lb., 35c.

Kerosene Emulsion. An excellent spray for wooly aphid and clover mite.

Qt., 60c.; 2 qts., \$1.00; 4 qts., \$1.50.

London Purple. Per lb., 30c.

Blue Label Slug Destroyer. This is the first

powder of its kind that we ever found to positively kill slugs and keep them away from young plants. Full direction on each package. Put up in 25c., 50c. and \$1.00 packages.

25c. package will be sent by mail, postpaid, for 35c.

Paris Green. 1-lb. pkg., 35c.; 2-lb. pkg., 65c.

Quassia Chips. 1 lb., 10c.; 10 lbs., 70c.

Rose Leaf. For destroying all insects and scale on plants. Pt., 30c.; qt., 50c.

Sulphur, Powder. Lb., 5c.; 100 lbs., market price.

White Arsenic. Per lb., 15c.

Tobacco Stems. Per lb., 3c.; per 100 lbs., \$2.50.

Tobacco Dust. Per lb., 10c.; 10 lbs., 60c.; 100 lbs., \$4.50.

Solid Sprays by mail, 20c. lb. extra.

Write for prices on Sprays in larger quantities.

Spray Calendar free on request.

**Diamond
Brand**

FERTILIZERS

**Diamond
Brand**

We are the largest dealers and carry the most complete stock of Fertilizers and Fertilizing Materials in the Northwest. We solicit correspondence and orders from large buyers. Special Fertilizer Catalog sent on request.

The results obtained from using our fertilizers are very satisfactory. Crops have in some cases been doubled and are always improved by their use.

DIRECTIONS—The best results are obtained by applying fertilizers in the late fall or early spring, as it takes some time for most of them to work into the soil. The average amount used is 300 to 500 lbs. per acre, but two or three times this amount is often used to advantage by market gardeners.

No. 1. COMPLETE FERTILIZER.

An all around fertilizer which can be used on any crop, but is especially adapted for grain crops and pasture grass. Analysis: Nitrogen, 2%; phosphoric acid, 6%; potash, 8%. Price: 100 lbs., \$2.00; 500 lbs., \$9.50; 1000 lbs., \$18.00; 2000 lbs., \$35.00.

No. 2. ROOT AND POTATO GROWER.

Use this fertilizer on potatoes, beets and all root crops. It is very rich in the foods required by them. Analysis: Nitrogen, 3½%; phosphoric acid, 6%; potash, 9%. Price: 100 lbs., \$2.50; 500 lbs., \$12.00; 1000 lbs., \$23.00; ton, \$45.00.

No. 3. MARKET GARDENERS' SPECIAL.

We have made this fertilizer to supply a demand for the very best for use on such crops as cabbage, lettuce, celery, etc., and it has already earned for itself an enviable reputation. Analysis: Nitrogen, 5%; phosphoric acid, 8%; potash, 9%. Price: 100 lbs., \$2.75; 500 lbs., \$13.25; 1000 lbs., \$26.00; ton, \$50.00.

No. 4. FRUIT AND STRAWBERRY.

This fertilizer is also used for blackberries, raspberries, etc. We sell large quantities for growing the famous Hood River Strawberries. Analysis: Nitrogen, 2 to 3%; phosphoric acid, 7%; potash, 9 to 10%. Price: 100 lbs., \$2.25; 500 lbs., \$10.00; 1000 lbs., \$19.00; ton, \$37.00.

No. 5. ODORLESS LAWN DRESSING.

This fertilizer supplies a long felt need for the lawn. It produces a dark, green lawn and can be used at the time the seed is planted or later as a top dressing. One hundred pounds is sufficient for an ordinary city lot, and is far more effective and less objectionable than the stable manure. Remember, it contains no weed seeds. When used as a top dressing it is best to make several small applications about a week apart. Price: 25 lbs., \$1.00; 50-lb. sack, \$1.50; 100 lbs., \$2.50.

No. 10. SPECIAL HOP.

A fertilizer made especially for hops, very rich in potash, and if used freely in hop yards it will double the yield and increase the quality of the hops. Be sure that you get "Diamond Brand." Analysis: Nitrogen, 2½ to 3%; phosphoric acid, 6%; potash, 12%. Price: 100 lbs., \$2.25; 500 lbs., \$10.75; 1000 lbs., \$21.00; ton, \$40.00.

December 7, 1904.

Portland Seed Co., Portland, Oregon.

Gentlemen: I have used your Special No. 10 "Diamond Brand" Hop Fertilizer for two years, and I am perfectly satisfied with results. The increase in yield and superior quality of the hops makes it a most profitable investment. I most heartily recommend it to all hop growers. Yours truly,

H. C. FLETCHER, Salem, Oregon.

PURE BONE MEAL.

Animal bone finely ground is one of the very best and most economical fertilizers, especially at present low prices. A most valuable enricher of the soil, and crop producer. Our stocks are absolutely pure.

Price: 100 lbs., \$1.75; ton, \$30.00.

LAND PLASTER OR GYPSUM.

Made from pure gypsum, absolutely free from clay or other foreign matter. This is especially valuable for clover and grass crops.

Price: 100-lb. sack, 75c.; ½ ton, \$6.00; ton, \$11.50.

FISH GUANO.

This is the very best quality of Guano, containing high percentages of nitrogen, phosphoric acid and other fertilizing qualities. Price: 100 lbs., \$2.00; ton, \$36.00.

DOUBLE SUPER PHOSPHATE.

This is a very highly concentrated form of phosphoric acid and although the price may seem high, it is actually the cheapest form in which to buy phosphoric acid. Our present stock contains 46% available phosphoric acid.

Price: 100 lbs., \$3.50; per sack, 226 lbs., \$7.40.

NITRATE OF SODA.

For immediate results Nitrate of Soda is the very best for stimulating and forcing the growth of plants or any other crop. 100 lbs., \$3.25. Write for ton price.

Plant Food



A safe, clean and high-grade fertilizer, free from disagreeable odor, prepared especially for feeding plants grown in pots. It is a wonderful invigorator, producing luxuriant, healthy growth, foliage of rich texture and larger and more brilliant flowers. It contains in a highly concentrated form all of the ingredients of plant food essential to the highest development of the plants and flowers. Detailed directions on each package. ½-lb. box, 15c.; by mail, 25c.; 1-lb. box, 25c.; by mail, 40c.

We have a 16-page booklet giving full instructions as to how much fertilizer, when and what kind to use on the different crops, etc. Also contains testimonials. Sent free.

Potash

Is one of the most important fertilizing elements. Every farmer should find out by practical experiment what his soil needs and avail himself of the large profit to be derived from the use of potash and other commercial fertilizers. We have a large stock of Potash Salts, direct from the mines at Stassfurt, Germany, and are in position to furnish them at reasonable prices.

Muriate of Potashlb., 3¼c.; sack, 224 lbs., \$6.50
Sulphate of Potashlb., 3¾c.; sack, 224 lbs., \$7.25
Kanitlb., 1½c.; sack, 224 lbs., \$2.25

We have books and pamphlets on Potash; also Nitrate of Soda, which we will send free. All we ask is a 2c. stamp for each book for postage.

Bee Supplies

Our stock of Bee Supplies this season is very large and up to date in every way. We are Western agents for the famous A. I. Root Dovetailed Hives and supplies, and buy carload after carload of these popular supplies. Our stock also includes a full assortment of the articles necessary for handling bees in an up to date manner. We give herewith a list which includes most of the principal articles that are used by bee keepers. We would request anyone who is specially interested in this line to write us for our complete catalogue of Bee Supplies.

DOVETAILED HIVES AND FIXTURES.

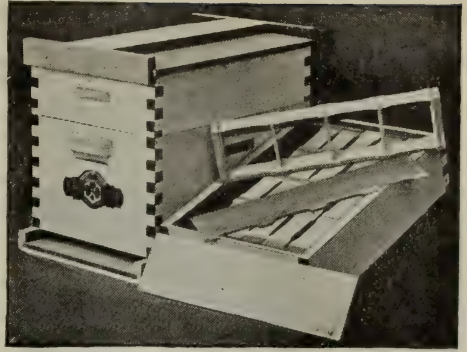
The Dovetailed Hive is now the leading hive, as it contains many of the most desirable features for the rapid and profitable handling of bees, and they are the cheapest and best hives manufactured.

We sell four grades, Root's, P. S. Co.'s Pine, P. S. Co.'s Cedar and P. S. Co.'s Western Pine; see this and following page.

ROOT'S HIVE COMBINATIONS AND HOW TO UNDERSTAND THEM.

To accommodate various localities and beekeepers of different preferences, we have a large number of different combinations, and each combination is indicated by a series of letters and figures. A glance at the following table showing the meaning of each letter or figure in alphabetical and numerical order will make all plain:

- A Danzebaker bottom.
- E Excelsior cover.
- G The Gable cover.
- I Super for Ideal plain sections, 3 $\frac{3}{4}$ x5.
- M Super 4x5 plain sections for Danzebaker hive.
- P Super equipped for plain 4 $\frac{1}{4}$ sections.
- S Super for 4 $\frac{1}{4}$ bee way sections.
- 2 Super with section holders, separators or fences, but no sections or foundations.
- 4 Super with section holders, separators or fences, sections and foundation starters.
- 5 Hive body or brood chamber, with frames and division board, but no starters.



DOVETAILED HIVE, AE64P-8.

6 Hive body or brood chamber with frames, division board, and foundation starters.

8 Indicates hive with 8 brood frames.

10 Indicates hive with 10 brood frames.

When the figures are doubled it indicates that two of the articles are called for. For instance, 2-2P means two supers with plain section holder and fences.

If you desire a Danzebaker bottom-board, Excelsior cover, 8-frame, dovetailed hive with frames, foundation and super with section holders, 4 $\frac{1}{4}$ plain sections, fences and foundation, the number would stand thus: AE64P-8.

If you wish two supers, in place of the one, you would add another figure 4, and the whole would read for 8-frame hive, AE644P-8; or, if you wanted this same combination without foundation or sections, the designation would be AE522P-8.

Note—We can furnish the Danzebaker Hive when requested, but as yet it has not become very popular here. More information on request.

Price List of Root's Dovetailed Pine Hive—Different Combinations

	5	10	15
HIVES.			
No. 1 (A-E or A-G, 6-4, S or P) 8 frame body and 1 super, all complete with starters..	\$2.50	\$10.75	\$21.00
No. 1 (A-E or A-G, 6-4, S or P) 10 frame body and 1 super, all complete with starters.	2.70	11.75	23.00
No. 2 A-E or A-G, 5-2, S or P) 8 frame body and 1 super, all complete, less sections and starters	2.20	9.25	18.00
No. 2 (A-E or A-G, 5-2, S or P) 10 frame body and 1 super, all complete, less sections and starters	2.40	10.25	20.00
No. 3 (A-E or A-G, 6-4-4, S or P) 8 frame body and 2 supers, all complete	3.20	13.75	27.00
No. 4 (A-E or A-G, 5-2-2, S or P) 8 frame body and 2 supers, all complete, less sections and starters	2.70	11.00	21.50
A-E or A-G, 6, 8 frame body only, with frames, division board and starters	1.70	7.50	14.50
A-E or A-G, 5, 8 frame body only, with frames, division board and no starters.	1.65	7.00	13.50
No. 10 (A-E or A-G, 5-5) 8 frame body, two story, for extracting	2.50	10.90	21.50
HIVE BOTTOM.			
A-Danzebaker bottom-8 .....	.30	1.45	2.75
HIVE COVERS.			
E-Excelsior or G-Gable cover-8 .....	.35	1.70	3.35
HIVE BODIES (Brood Chamber).			
Empty body for 8 frames, 9½ inches deep with tin rabbets .....	.60	2.50	4.90
5-body-8, with frames and division board .....	.95	4.25	8.30
6-body-8, with frames, division board and starters	1.05	4.75	9.20
SUPERS.			
No. 1 (4 P, S or I) 8, all complete with starters .....	.80	3.70	7.10
No. 1 (4 P, S or I) 10, all complete with starters .....	.90	4.30	8.10
No. 2 (2 P, S or I) 8, all complete, less starters .....	.65	2.75	5.25
No. 2 (2 P, S or I) 10, all complete, less starters .....	.70	3.15	6.00
No. 0 (Plain supers, with flat tin; empty .....	.35	1.55	2.95
DANZEBAKER HIVES.			
Danzebaker B-G or A-D, 6-4 M-10	2.85	13.00	25.00
Danzebaker B-G or A-D, 5-2 M-10	2.50	11.25	22.00
Danzebaker B-G or A-D, 5-10	1.80	7.75	15.00
SUPERS.			
Danzebaker 4 M-10 super	1.30	5.50	10.75
Danzebaker 2 M-10 super	1.00	4.20	8.00

Note—D, Danzebaker cover. M, Danzebaker super.

Portland Seed Co's Western Cedar Hives

These cedar hives are made especially for our western trade. In construction they are the same as the pine hives above, the only difference being that they are made of superior quality of cedar, the best and most lasting wood for our western climate. The sections and separators used in the supers are the regular No. 1 eastern stock. Price and quality considered, these hives are the best bargains we have to offer.

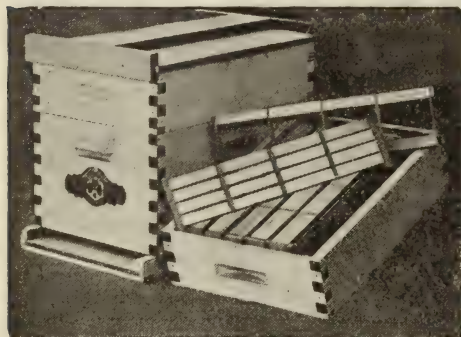
Prices.	Each, Nailed.	K. D. 5	Packed 10	Wgt. of 10
No. 1- 8	\$1.85	\$8.15	\$16.00	275
No. 1-10	2.10	9.50	18.50	310
No. 2- 8	1.60	6.90	13.50	250
No. 2-10	1.80	8.15	16.00	285
No. 10- 8	2.00	8.75	17.00	300

Description for numbers same as those given for P. S. Co.'s Pine Hives on top of following page.

Bee Hives—Continued

Portland Seed Co's Dovetailed Pine Hives

This hive is similar to the Root Dovetailed Hive, except that it is made from a little different kind of Eastern pine, but is first-class.



P. S. CO'S No. 1 PINE HIVE.

Portland Seed Co's Western Pine Hives

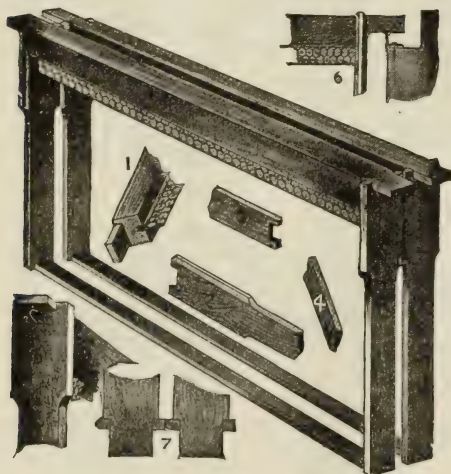
Prices same as our Western Cedar Hives; see preceding page.

Portland Seed Co's Dovetailed Supers

Unless otherwise ordered, we always send S supers for the regular stock $\frac{4}{4} \times \frac{4}{4} \times \frac{1}{8}$ sections and wood separators. (See cut.)

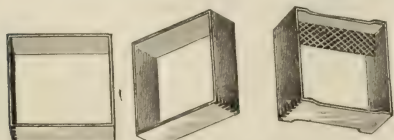
	PRICE LIST.		Packed in flat.	Wgt.
	Nailed or K. D.	1		
No. 1 Pine, P. S. or I	\$0.75	1	\$3.50	10
No. 1 Cedar, P. S. or I	.60	5	2.85	75
No. 2 Pine, P. S. or I	.60	10	2.60	70
No. 2 Cedar, P. S. or I	.50	5	2.25	65
No. 0 Empty, Pine or Cedar	.30	10	1.35	60
			2.60	40

For description of super number, see corresponding number describing hives.



IMPROVED HOFFMAN FRAMES.

	10	100
Hoffman Frames, I. F. F.	35c.	\$3.00
Half Hoffman Frames	30c.	\$2.50
Old Style Moulded Top	35c.	\$2.75



ONE-PIECE V GROOVE SECTIONS.

Don't forget that we have complete Bee Supply Catalog. Free.

DESCRIPTION AND PRICES—Order by number.

No. 1. Dovetailed Hive (complete with 1 super) consists of 1 bottom board, 1 body, 1 super, 1 cover, 8 Hoffman brood frames, 1 division board, 2 tightening springs for super, 6 section holders, 6 slotted separators, 24 sections and foundation starters for frames and sections, and nails.

Nailed, \$2.15 each; per 10 K. D. flat, \$19.00.

No. 2. Dovetailed Hive is the same as No. 1, less sections and foundation starters.

Nailed, \$1.85 each; per 10 K. D. flat, \$16.00.

No. 3. Dovetailed Hive is the same as No. 1, except that it has two supers instead of one.

Nailed, \$2.70 each; per 10 K. D. flat, \$24.00.

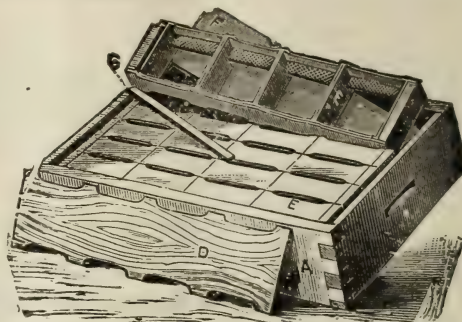
No. 4. Dovetailed Hive is the same as No. 3, less sections and foundation starters.

Nailed, \$2.20 each; per 10 K. D. flat, \$19.50.

No. 10. Dovetailed Hive (complete two-story for extracting), consists of 1 bottom board, 2 bodies, 1 cover, 16 Hoffman brood frames, 2 division boards and nails.

Nailed, \$2.20 each; per 10 K. D. flat, \$19.50.

Five Hives at same rates as ten.



SUPER, DESIGNATED AS 4-S—Complete.

Hive Fixtures and Miscellaneous Bee Supplies

SECTION HONEY BOXES.

Our No. 1 Sections are made of the choicest white basswood lumber, and are all perfect in finish and free from defects.

No. 1, Best White. Per 100, 70c.; per 500, \$3.00; per 1000, \$5.90.

No. 2, Second Grade. Per 100, 60c.; per 500, \$2.60; per 1000, \$5.00.

If ordered by mail, allow 1c. each for postage.

Order any of the following sizes wanted. We have $\frac{4}{4} \times \frac{4}{4} \times \frac{1}{8}$, generally used and always sent unless otherwise ordered; $\frac{4}{4} \times \frac{4}{4} \times \frac{7}{8}$ to the foot; $\frac{4}{4} \times \frac{4}{4} \times \frac{1}{2}$ 15-16; $\frac{4}{4} \times \frac{4}{4} \times \frac{1}{4}$.

The $\frac{4}{4} \times \frac{4}{4} \times \frac{1}{2}$, $\frac{3}{4} \times \frac{5}{4} \times \frac{1}{2}$, and $4 \times 5 \times \frac{1}{8}$ Danzebaker, having no beeway, are 25c. M less.

COMB FOUNDATION.

Packed in 1, 2, 3, and 5-pound paper boxes, or 25 pounds in a case.

Grade	Square feet per lb.	Lb.	10 lbs.
Light Standard Brood	6 to 7	60c.	55c.
Extra Light Standard Brood	8 to 9	65c.	60c.
Light Section	11 to 12	70c.	65c.
Extra Light Section	12 to 13	75c.	70c.

If foundation is wanted by mail, add 25c. per lb. up to 2 lbs., and 20c. per lb. over 2 lbs.

SECTION HOLDERS.

$1\frac{1}{2} \times 18\frac{1}{2}$ inches, slotted	Per 100, \$2.40
$1\frac{1}{2} \times 17\frac{1}{2}$ inches, plain	Per 100, \$2.00
Bottoms only, $1\frac{1}{2}$ inches wide, slotted	Per 100, \$1.25
Danzebaker, reversible	Per 100, \$3.00

SEPARATORS.

Slotted wood separators, $\frac{4}{4} \times 18$	Per 100, \$1.00
Slotted wood sliced separators	Per 100, \$0.75
Plain separators	Per 100, \$0.70
Fence separators, P or I	Per 100, \$2.00
Fence Separators to be used with plain $1\frac{1}{2}$ no beeway sections.	

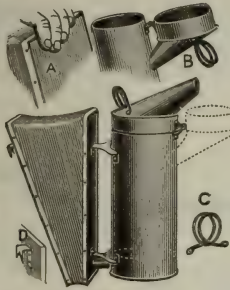
HIVE PARTS.

Division Boards	Each, 10c.; 10 for 90c.
Followers and Wedge	Each, 5c.; 10 for 35c.
Tightening Spring	Each, 1c.; 10 for 10c.

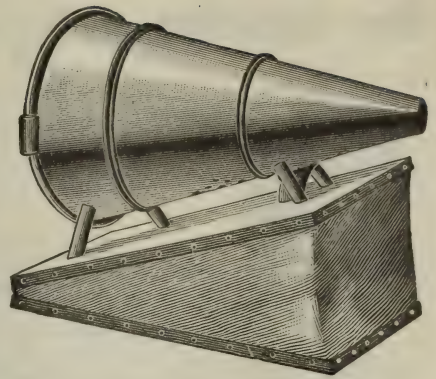
Bee Supplies—Continued



HONEY SHIPPING CASES.



CORNEIL.



CLARK'S COLD BLAST SMOKER.

Honey Shipping Cases

Non-Drip.	Nailed, each.	Flat, 10.
12-lb. Shipping Cases	\$0.15	\$1.25
24-lb. Shipping Cases .....	.30	2.25
24-lb., for 3 3/4 x 5 Sections .....	.30	2.25
32-lb., for 1 1/2-inch Sections .....	.30	2.25
24-lb., for Danzebaker Sections .....	.30	2.25

Feeders

Grays.—This is designed to be placed tight up against the entrance; after filling, the glass is pushed back to cover up the entire feeder. Price, 20c.; by mail, 35c.

Page.—Best feeder for feeding over the brood nest. Each, complete, 30c.; by mail, 55c.

Simplicity. Each, 10c., by mail, 15c.; 10, 65c., by mail, \$1.25.

Miller's.—This sets on the hive in the same space occupied by a T super; holds about 25 lbs. of syrup. Nailed up, complete, each, 35c.; in flat, 30c.

Boardman's. Price, 30c.; without jar, 20c.

Cages for Queens

Benton.—This is undoubtedly the best cage for mailing and is adapted likewise for introducing. Each, no candy, 5c.; by mail, 7c.; with candy, each, 10c., by mail.

The Peet.—This has been the leading cage for many years. Each, 10c.

Queen Cell Protectors

Doolittle. Each, 5c.; by mail, 7c.

West's Cell Protector. 10 for 50c.; by mail, 60c.

West's Spiral Cage Feeder. 10 for 80c.; by mail, 90c.

Klinitz's Queen Catcher and Introducing Cage

Each, 15c.

Pure Blooded Italian Queen Bees and Colonies

Untested Queen.—April, \$1.75; May, \$1.50; June, \$1.50; July–August–September, \$1.25.

Tested Queen.—April, \$2.50; May or June, \$2.00; July–August–September, \$1.50.

Select Tested Queen.—April, \$3.50; May or June, \$3.00; July, \$2.50; August–September, \$3.00.

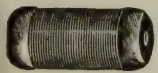
Queens by mail are prepaid.

Colonies.—Full colony of pure-bred Italian Bees. Price, \$8.00.

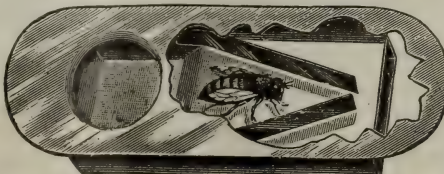
Full colony of Hybrid or Black Bees. Price, \$5 to \$6.

No. 30 Tinned Wire

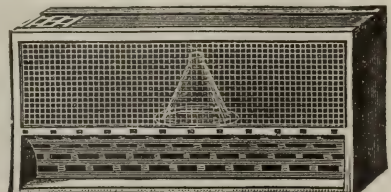
	Each.	Doz.
3/4-ounce spools	\$0.08	\$0.55
1/4-pound spools .....	.15	1.05
1/2-pound spools .....	.25	2.40
1-pound spools .....	.40	3.50
5-pound coils	1.25	...



QUEEN BEE.



PORTER BEE ESCAPE.



ALLEY'S DRONE AND QUEEN TRAP.

Smokers

Clark's Cold Blast.—Probably the most popular smoker in use today. Price, 60c.; by mail, 75c.

Improved Cornell.—Makes a good, strong blast, with little work. Very substantial. Standard size, 3/4 inch, \$1.00; by mail, \$1.25. Junior, 2 1/2 in., 90c.; by mail, \$1.10.

Vesuvius.—This is a practical working, hot-blast, breech-loading smoker. Price, \$1.25; by mail, \$1.50.

Crane.—Similar to the Bingham, but somewhat heavier. Price, \$1.50; by mail, \$1.80.

Bingham.—This is strong, well made, does not clog up, and burns any fuel. The "Conqueror" and "Doctor" cannot be excelled for use in large apiaries.

	Each.	By mail.
Bingham Conqueror	\$1.00	\$1.25
Bingham, Little Wonder .....	.60	.75
Bingham Doctor	1.25	1.55
Bingham Large .....	.90	1.10
Bingham, Engine	1.60	1.85

Porter Bee Escape

In taking off the honey it is the greatest labor-saver that has been introduced in late years. Price, 20c, postpaid. Mounted, each, 40c. (can not mail).

Porter Honey House Escape

No extracting room will be complete without one or more of them. Each, 30c., postpaid.

Alley's Combined Drone and Queen Trap

A perfect non-swarming arrangement.

Each, 50c.; by mail, 65c.

Foundation Fasteners

Parker's.—Well worth the price.

Price, 30c.; by mail, 45c.

Daisy Foundation Fastener.—Will put starters in better and faster than any machine before introduced. With this a person will put starters in about 500 sections per hour.

Price, without lamp, \$1.00; with lamp, \$1.25.

Wire Imbedders

The Easterday.—For imbedding wire in foundation. Price, 25c.

Spur Wire Imbedder.—This is like a tracing wheel, with the teeth set so as to straddle the wire while imbedding it. Price, by mail, 20c.

Daisy Foundation Roller

Used for fastening brood foundation to the top bar in the brood frames. Price, 15c.; by mail, 20c.

Manum's Swarming Device

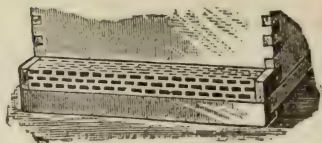
A most complete swarming device. The swarmer is light, conveniently carried, and will reach a swarm 20 feet from the ground.

Complete, \$1.50; wire basket with ball, no pole, \$1.10.

Bee Supplies-Con't.



DAVIS' BRUSH.



ENTRANCE GUARDS.



NOVICE HONEY KNIFE.



HAT VEIL.

Bee Brushes

Davis' Improved (See cut).—Very serviceable and convenient. Price, 20c.; by mail, 23c.

Coggshall's.—Brush straight. Price, 20c.; by mail, 25c.

The Dixie Bee Brush.—A double brush with a strong, wood handle. Soft and pliable to give an easy, gentle sweep. Price, 20c.; by mail, 25c.

Bee Veils

Globe.—Has five bars that keep veil away from head. Price, \$1.10, postpaid.

Hat Veils.—These veils have a rubber band around the top, so as to fit the hat snugly.

No. 1 Veil, made entirely of silk tulle ... 80c., postpaid.
No. 2 Veil, cotton tulle, silk tulle face ... 50c., postpaid.
No. 3 Veil, cotton tulle throughout ... 40c., postpaid.

Gloves, Rubber

Ladies', sizes 7, 8 and 9. Price, \$1.15; by mail, \$1.25.

Gents', sizes 10, 11 and 12. Price, \$1.25; by mail, \$1.35.

Men's half long, sizes 13, 14 and 15. Price, \$1.50; by mail, \$1.60.

Men's half long, heavy, sizes 13, 14 and 15. Price, \$1.75; by mail, \$1.85.

Note—To insure getting proper size, mark outline of hand on sheet of paper. If you order by number, order two sizes larger than you require in kid.

Honey Knives

"Novice" Honey Knife. (See cut.)

Price, 85c.; by mail, 95c.

Quimby Honey Knife. Quite like above.

Price, \$1.00; by mail, \$1.10.

Abbott Honey Knife. Broad, pointed blade.

Price, 80c.; by mail, 90c.

15c Honey Knife. Broad, square blade. By mail, 20c.

Wax Extractors

Doolittle Solar Wax Extractor.—With this the sun supplies sufficient heat to render the wax, at the same time bleaching it and making it of No. 1 quality.

Price, \$4.50; weight, 30 lbs.

Swiss Wax Extractor.—This extractor is very simple. In using place the refuse comb in the wire basket, and place it inside the can, then set the whole over a pan or kettle of boiling water. As the comb melts, replenish. This is all the attention the extractor needs.

Price, \$4.30; with steam generator, \$5.50.

Honey Extractors

Novice Extractor, No. 5.—For any frames not over $7\frac{1}{2} \times 18\frac{1}{2}$ inches. Price, \$10.00.

Cowan Extractor.—The best machine when rapid work is required.

No. 15.—Cowan two-frame ... Price, \$13.50

No. 25.—Cowan four-frame ... Price, \$24.00

German Steam Wax Press

Weight, 60 pounds.

Price, \$16.00.

Free Premium

A \$1.00 BEE PAPER FREE! We will give to every customer who buys \$15.00 worth of bee supplies at catalogue prices a years subscription to the finest bee paper in the United States—"Gleanings in Bee Culture"—published semi-monthly, \$1.00 per year. Every copy is worth a dollar, but you get it absolutely free with a \$15.00 order. No other premiums allowed where this is taken. If your order does not amount to \$15.00, get your neighbors to send with you. The premium is worth the trouble.

Send for our 16-page fully illustrated Bee Supply Catalog.

Hill's Devices

For covering frames in winter.

Price, 10 for 60c.; by mail, \$1.00.

Hubbard Section Press

This is one of the best machines for putting together one-piece sections. Price, \$2.75.

Tin Rabbits, T-Tins, Etc.

These are used for frame to rest on.

Price, 12 to 14 inch, \$1.25 per 100.

Rabbits of other lengths will be $1/4$ c. per foot.

Per 100.

T-Tins.—14 inches and under ... \$1.25

T-Tins.—Over 14 inches and up to 16 inches ... 1.40

Flat Tins.—14 inches and under50

Flat Tins.—Over 14 inches and up to 20 inches75

Perforated Zinc

Root's.—Square holes.

Tinker's.—Oblong.

Perforations, 17-100 wide.

Used to prevent the queen going up above. It is also used in entrance guards and for queen and drone traps, etc.

Zinc strips, 1 row holes, $\frac{3}{4} \times 18$ to $19\frac{1}{4}$ inches.

Each, 2c.; per 100, \$1.50; each, 3c., postpaid.

Zinc sheets, Root's perforated solid.

Each, 28×96 , \$2.00; 36×96 , \$2.50.

Zinc, less than a sheet.

Per square foot, 10c.; by mail, 10c. per foot extra.

Honey Boards

Root's or Tinker's.—Used to confine the queen to the brood-chamber. Nos. 1 and 11 are of unbound zinc. Nos. 12 and 13 are wood-bound, with a bee-space one side.

Description.	Size, inches	Prices.	
		1	10
No. 11.—8-frame, unbound	$12 \times 19\frac{1}{4}$	\$0.25	\$2.00
No. 1.—10-frame, unbound	$14 \times 19\frac{1}{4}$	.25	2.10
No. 13.—8-frame, wood bound	$13\frac{1}{2} \times 20$	.30	2.50
No. 12.—10-frame, wood bound	16×20	.30	2.60

Bee Entrance Guards

Root's or Tinker's.—These are to admit workers, but exclude drones. Price, 10c.; by mail, 15c.

Van Dusen Hive Clamp

Very convenient for fastening bottom board to hives.

Per pair, 5c.; 10 pairs, 40c.; by mail, 75c.; without screws, 10 pairs, 35c.; by mail, 65c.

Tent for Setting Over a Hive

Dimensions, 5 feet long, 5 feet wide, and 5 feet high.

Price, \$2.00; weight, 6 lbs.

Books for Bee Keepers

See Book List, page 98.

Poultry Supplies

The raising of poultry is a paying business, and a few dollars carefully invested in it will bring many in return. We have an ideal country for the chicken business. Our climate is mild, food is cheap and plentiful, and our markets are good.

On this and the following pages you will find descriptions and prices of what we believe to be the best and most complete line of poultry supplies ever offered to poultry raisers. The goods we are offering in this catalog are for those who wish to make a success of poultry.

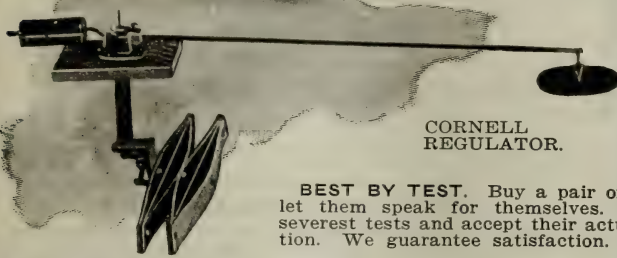
Please remember that this department is in charge of expert poultrymen, who have had years of experience and fully understand the poultry business. We take an interest in our customers and are always glad to render them such assistance and help as our experience will permit.

Cornell Incubators

HANDSOME IN APPEARANCE, SUCCESSFUL IN EVERY RESPECT.

The Cornell Incubator has proved itself, in actual operation in the hands of numerous poultrymen, to be the handsomest and most successful hatcher on the market. That's why we have secured the Pacific Coast Agency.

It hatches the healthiest and most vigorous chicks ever obtained by artificial incubation. This result is due largely to uniform temperature, positive ventilation and proper moisture. These three most important points are fully explained in the large Cornell Catalog, copy of which will be mailed free on request. We cannot go into detail in the limited space in this book.



CORNELL
REGULATOR.

BEST BY TEST. Buy a pair of Cornell machines and let them speak for themselves. Subject them to the severest tests and accept their actual testimony in operation. We guarantee satisfaction.

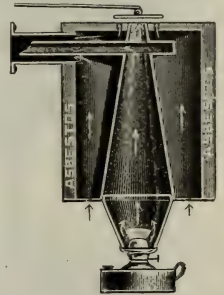
THE CORNELL INCUBATORS are not crude carpenter chests. They are fine cabinet constructed cases, put together under the personal supervision of experts, with such precision, nicety and solidity that they will stand the severest tests. The front, back, sides and top are made of separately constructed and finely fitted, polished panels which allow for all expansion and contraction of materials and contribute to make the Cornell the best and most handsome hatcher in appearance on the market.



No. 1 (108-Egg) CORNELL INCUBATOR.

CORNELL COMPOUND DOOR. Entirely original and found on no other make. Has all the advantages of two separate doors without their inconvenience. Decidedly new, and the most advanced device of its kind in use.

TABLE TOP (See cut). The top of the Incubator is cleared of all obstructions. It is as smooth and convenient as a table. The new regulator bar and its finely adjusted connections are placed beneath the cover out of sight and out of danger of disturbance.



CORNELL HEATER.

FIRE PROOF HEATER. The heating apparatus of the Cornell Incubator is so simple in construction, so effective in operation, so economical of fuel and so well adapted in every way to its purpose that even the most conservative "chicken crank" on examination or trial, promptly endorses it as the best heater yet invented. It utilizes the heat of the lamp fumes to the fullest extent, but nothing but warm, pure, fresh air enters the egg chamber.

THE LAMP. Our lamps are the best that can be procured. They are of sufficient capacity to burn twenty-four hours; a superior incubator lamp from every point of consideration.

SENSITIVE THERMOSTAT (See cut). The finely adjusted, automatic, aluminum thermostat hangs in the space just above the eggs. This original and ingenious piece of mechanism provides prompt and positive regulation of the temperature in the egg chamber. Nothing can possibly get out of order about this regulator.

October 31, 1904.

Portland Seed Co.

Gentlemen: In reply to your letter will say that am able to care for the Cornell Incubators with the greatest ease. A 60 per cent hatch just came off, which I think exceedingly good for this time of year, when the hens are all moulting. The health and vitality of the chicks is very good.

I am very much pleased with the machine and after comparing with several other makes, I can say that I think it is the very best on the market. I delayed my report waiting for the last hatch to come off, which was on the 27th inst.

Hoping that others will follow my example and buy a Cornell, I am, respectfully,

M. M. VAN TREESE,
Milwaukie, Oregon.

October 9, 1904.

Portland Seed Co.

Gentlemen: I like the 108-Egg Incubator fine, and find it very easy to operate. First hatch was seventy-six strong, healthy chickens. Last hatch I got eighty-two fine chickens, and out of the lot I raised nearly every chick. We carried the eggs three miles. Yours truly,

W. H. INGLISH, Gresham, Oregon.

Peep O' Day Incubators

The heater, lamp, regulator, thermometer, egg tray, nursery, etc., is just the same in this Incubator as in the Cornell; in fact, this is the Pan-American model of the Cornell Incubator. To save mistakes and confusion in filling orders and after the Cornell Incubator Company bought out the Peep O' Day Brooder Factory, the name of this machine was changed to Peep O' Day, the same as the Brooders.

The greatest difference in these machines is in the construction and finish. It does not have a table top or compound door, but we would like to impress upon your mind the fact that the Peep O' Day Incubators are finished in a much superior manner to most other Incubators, especially those that sell at the same price. These incubators, like the Cornell, are hot air machines (no tanks to spring leaks and spoil the eggs). The regulation, heating and ventilation are perfect.



We have sold many Incubators, but everything considered, we have never had such bargains to offer as these Peep O' Day Incubators. They are equal to any incubator manufactured, with the exception of the Latest Improved, Cabinet-Finished Cornell. We have tested these machines here in our store under trying conditions, and they have proved a great success.

Last year was the first season we sold Cornell and Peep O' Day Incubators and Brooders, and our sales amounted to over three carloads. From all reports, and our own tests, we feel that the sale this season will be greater than ever.

We are printing only a few reports from last year's buyers, but we will gladly send the Cornell Testimonial Book, containing hundreds of the finest reports ever received by any incubator company.

PACIFIC COAST PRICES ON CORNELL AND PEEP O' DAY INCUBATORS.

No. 1. 108-Egg Cornell Price, \$22.50
Weight, crated, 149 lbs.

No. 2. 216-Egg Cornell Price, \$32.00
Weight, crated, 233 lbs.

CORNELL PAN-AMERICAN MODEL.

No. 1. 108-Egg Peep O' Day Price, \$18.00
Weight, crated, 140 lbs.

No. 2. 216-Egg Peep O' Day Price, \$26.00
Weight, crated, 220 lbs.

Complete and plain instructions sent with each machine (see note on Cornell Book below).

We are Pacific Coast Agents for the Cornell Incubator Company, and buy in carload lots, thereby saving considerable in freight. The above prices are from \$1 to \$3 less than you could buy for direct from the factory, say nothing of the trouble and delay in getting a machine or two out here by local freight.

50 Cent Book Free

The Cornell Book on Artificial Incubation and Brooding.

This book, treating on these questions from a series of the most carefully conducted experiments, requiring months of patient and expensive, laboratory work, by skilled physicists connected with the Cornell Company, is the latest and most up-to-date work on the subject yet published. It explains fully all points concerning the operation of an incubator or a brooder, telling the operator what to do, as well as what not to do, during the whole period of incubation. This valuable book is sent free to every purchaser of a Cornell Incubator.

Price of book alone, postpaid, 50c.

Reports from our Customers—Our Best Advertisements

Portland Seed Co. Portland, Oregon, June 3, 1904.
Gentlemen: The 216-Egg Peep O' Day Incubator I bought of you some time ago is doing excellent work. It has not given the least bit of trouble, and the temperature has not varied a degree. We are looking for a good hatch and will send you another report later. Yours truly, B. R. LANNING.

Portland Seed Co. Portland, Oregon, October 7, 1904.
Kind Sirs: In regard to the Cornell Incubator I bought of you I will say that I am very well pleased with it. Respectfully, KATIE J. WILSON.

Portland Seed Co. March 13, 1904.
Gentlemen: I like the Cornell Incubator I have very much. I have just finished a hatch. Out of 74 eggs I got 60 chicks. I have the machine in a good cellar and the temperature never varied more than one degree. Yours truly, MRS. FANNIE WOOLSEY.

Portland Seed Company. June 27, 1904.
Sirs: During the last hatch, the Peep O' Day Incubator we bought of you ran perfectly. No one could expect a machine to keep a more regular temperature with so little trouble. It hatches in a good percentage. We have no complaints to make with the work the machine has done during this setting. Very truly, MRS. O. L. HENDERSON, Beaverton, Oregon.

Portland Seed Co. October 9, 1904.
Gentlemen: I am well pleased with the two Peep O' Day Brooders I bought of you last spring. I like the system of heating and ventilation, and have found them to keep a fairly uniform temperature under very trying conditions. They are also economical to run, as they consume very little oil. I am well satisfied with them and would not hesitate to recommend them to anyone. Yours very truly, CHRISTIAN BRAUN, Post Falls, Idaho.

Portland Seed Co. October 3, 1904.
Gentlemen: The Peep O' Day Brooders are all right. I had better success raising chickens in them than I should expect with hens. Respectfully, PERCY H. BROWN, Sublimity, Oregon.

Portland Seed Co. October 14, 1904.
Gentlemen: As to the Peep O' Day Brooders, I do not see how they can be improved upon. I do not know how I could say more in their praise. Yours respectfully, MRS. GEO. SECREST, Oregon City, Oregon.

Portland Seed Co. September 29, 1904.
Dear Sirs: I find the Peep O' Day Brooder, I bought of you last spring, to be a good machine in every respect. Yours respectfully, LOUISE HENDRICKS, Ft. Canby, Washington.

Portland Seed Co. September 29, 1904.
Dear Sirs: I have used the Peep O' Day Brooder all this summer and I like it well and have no fault to find of it in any way. It is all right. The Peep O' Day Brooders are good enough for me. I have raised as high as seventy and eighty little chicks in it at a hatch, and it is the best old mother hen I can get. I will never bother with hens any more, as long as I can get Peep O' Day Brooders. Any one getting this make of Brooder could not help but be satisfied with it. Yours truly, MRS. F. M. DE LONG, Vancouver, Washington.

CHEAP BROODERS AND HOME-MADE AFFAIRS are unsafe and expensive. They are generally the first step taken by new beginners toward a failure in raising chickens artificially. Buy Peep O' Day Brooders; they are chicken life preservers.

Peep O' Day Brooders

We have sold Brooders for the past ten years, but must admit that we have never handled such a practical, well made, safe, and in every way so satisfactory a line of Brooders as the Peep O' Day.

Let us name a few of their superior points: Perfect ventilation, easily controlled temperature, distribution of heat, freedom from drafts, economy of oil, construction and large size, cast iron lamp, and new style burner (no chimney, no smoke, no danger of explosion). We have seen and used all the leading makes of Brooders, and everything considered we can recommend the Peep O' Day as being ahead of any other make on the market. We know we have them for sale, but that is our honest opinion of them, just the same. We are sure that they will please you.

Leading poultrymen all over the United States admit that the Peep O' Day method of brooding is superior to that of the mother hen.

Our complete Poultry Supply Catalog will give you full information of the different sizes, styles, construction and capacity. Sent free on request.

The Lamp

We have the safest, most scientific and successful Brooder Lamp made. The illustration of the lamp and rear of the No. 1 Brooder will convey some idea of its principle. Wick arbor is extended to the outside, making it very convenient to attend to and adjust the flame without disturbing the lamp. The burner is the most perfect we have been able to obtain, and it carries a flame that is equal to a steady gas flame. We have discontinued the use of chimneys, and the results have been far more satisfactory. To sum up, we guarantee that we have a lamp that is strictly safe, that the oil tank will never leak, that it will not consume more than one-half the oil of any brooder of its size, and that smoking, bothering with water pans or danger from fire is entirely overcome.

The Hover, Ventilation and Heating

In the Peep O' Day Brooders we have the most perfect system of heating and ventilation. The large, circular hover with its side curtains of felt is placed directly over the brass dome under which is the lamp. The cold, fresh air comes in between the double floors, and passes over the heater which warms it, enters under the hover proper and is forced down upon the back of the little chicks, just as with the old hen. The cold air entering the heater is drawn in, in an indirect way, so that the drafts outside the Brooder can not change the force of the current. This is a very important feature, especially in the outdoor Brooders. No brooder can stand the amount of wind and hold so even a temperature as the Peep O' Day.

The hover has an automatic ventilator and by simply turning it a little, the heat underneath can be easily regulated. The thermometer, the lower part of which hangs at about the level of the chicks' backs, is in plain sight so that you can see the temperature under the hover, at a glance.

The dome of the heater is made of heavy brass and the upper part of cast iron. This is by far the finest and most substantially constructed heater and hover we have ever seen.

All Peep O' Day Brooders, except the No. 0, have the same style lamp, heater and circular hover, which prevent crowding into corners and obviate danger of overheating.

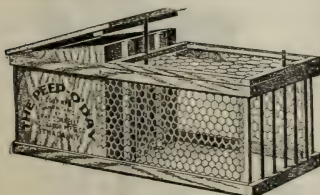
There is positively no danger of fire with the Peep O' Day Brooders, and after you have had a chance to examine them, we are sure you will agree with us that they are by far the finest constructed Brooders, all points considered, of any on the market, and at the prices we offer them, they are the cheapest.

PRICE LIST, PEEP O' DAY BROODERS.

	Size.	Price.
No. 0. Jr. Outdoor, for 50 to 75 chicks	2x4 ft.	\$ 8.00
No. 1. Outdoor, for 75 to 100 chicks	3x3 ft. sq.	12.50
No. 2. Outdoor, for 100 to 150 chicks	3x5 ft.	14.00
No. 3. Outdoor, for 75 to 100 chicks	2x4 ft.	9.50
No. 4. Indoor, for 100 to 150 chicks	3x3 ft. sq.	10.00
No. 5. Indoor, (wire top), for 75 to 100 chicks	3x3 ft. sq.	8.50

Peep O' Day Coop No. 1

For hen with chicks; well made; storm proof; floor, cover and top of rim removable. Coop 18 inches square, run 18x24 inches. Shipped K. D.; put together with 12 screws. Price, \$3.00.



No. 1 COOP.

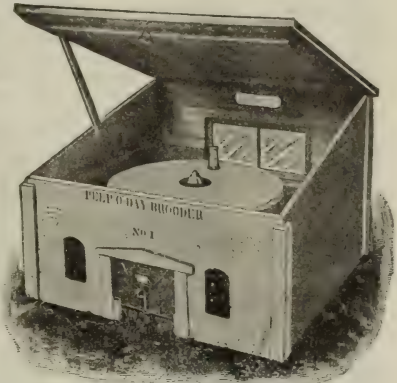
PEEP O' DAY WIRE COVERED
RUNS, 3x6 feet, for all our
Brooders; \$4.00.



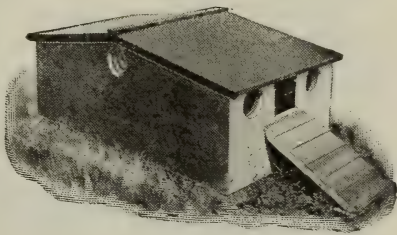
No. 4 INDOOR.



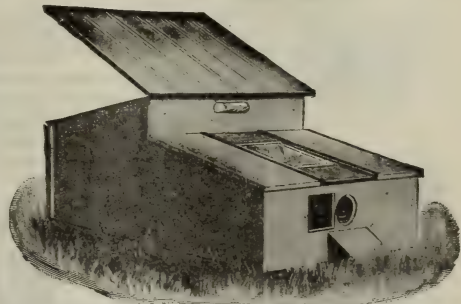
BROODER LAMP, COMPLETE.



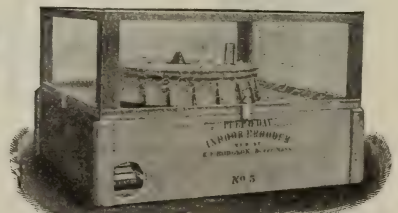
REAR VIEW No. 1 BROODER,
Showing Lamp and Hover.



No. 0 Jr. OUTDOOR.



No. 2 OUTDOOR.



No. 5 INDOOR (Wire Top).

Space will not permit us to give complete description of each brooder, but we will gladly send fully illustrated catalogue on request.

STILL IN
THE LEAD

Mann's Green Bone Cutters

STILL IN
THE LEAD

OTHER MAKES COME AND GO, BUT THE MANN RETAINS ITS PLACE.

If you want an old reliable machine—one that has established a reputation in the yards of practical poultrymen—buy a Mann's.

If you want a new machine—one that has every late improvement, one that is really "ahead of the times"—buy a Mann's. It does the work with the greatest ease. It makes every hen a paying hen. Try it and see.

The Mann's is the only machine which has a self-governing feed, which produces a uniform pressure against the knife, whether the bone be hard or soft. You set the machine to suit your strength, and it never requires more power than you set it for.

The Mann's cuts any bone and all adhering meat or gristle, and never clogs or stalls.

The Mann's is, in short, an ideal bone cutter. We believe that it is a better machine, all points considered, than that produced by any other manufacturer.

Try one for yourself, and if you are not satisfied you can have your money back. Could you ask more?

MANN'S No. 5.

Has four knives, large cylinder, and has the latest patent, automatic, governing spring feed, which makes it one of the best, low-priced bone cutters ever offered. Can furnish with crank, balance wheel, or mounted on iron stand. (See cut.)

MANN'S No. 7.

The New No. 7 is mounted on strong, iron stand, and has patent, automatic, governing spring feed. Large, open-hinged cylinder, giving instant access to all working parts, has six knives, gear guard, anti-clog device, heavy balance wheel and other improvements. (See cut.)

MANN'S No. 7½.

Adapted to run either by hand or by power, without any change.

The particular advantage of the No. 7½ is that while it is a complete power machine, it can be operated by hand just as easily as the No. 7. Thus, it is always ready for use. It is recommended even if you have no power at present, for should you get power in the near future, you need be at no further expense. There is a large class that need a power bone cutter, who cannot really afford to pay the price of the No. 11 or No. 12. The No. 7½ will appeal directly to this class. It has all the improvements. It meets a long-felt want.

MANN'S No. 9. (See cut.)

The description of No. 7 will apply to the New No. 9. The difference consists of larger cylinder, greater holding capacity, different design and larger table.

MANN'S No. 11—HAND OR POWER.

Intended for large flocks when the machine must be run by hand a portion of the time. It is really a semi-power and semi-hand or combination machine, and as such has its place. The No. 11 is exactly the same as No. 9 with the power parts added. It has all the late improvements, special feed, anti-clog, open cylinder, tight and loose pulleys, etc. Capacity, 100 lbs. per hour.

No. 12, POWER.

This machine deserves more than passing notice. It costs but \$4.00 more than the semi-power, or No. 11, yet is heavier, stronger, better and far more durable. It is strictly a power machine, and full of business from top to toe. Remarkable for strength, capacity, simplicity, economy and convenience. It has all the new patented improvements. In addition, this cutter has a grab clutch, an important and novel device by which it can be started and stopped instantly. No slipping of belts. The balance wheel runs all the time with the pulley, consequently the clutch operates instantly. Capacity, 120 to 150 pounds per hour. Horse power required, 1 to 2. Just the machine for marketmen, extensive breeders, or any one who has large quantities of bone to cut.

Bargains

We have a miscellaneous stock of different makes of Bone Cutters which we are anxious to close out on account of room. You will find them on page 97, and they are priced way below cost.

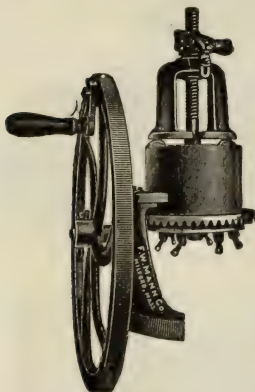
GREATEST BARGAINS EVER OFFERED.

PRICE LIST OF MANN BONE CUTTERS.

New Styles.	Price.	Weight.
No. 5 C (with crank handle)	\$ 7.75	30
No. 5 B (with balance wheel)	10.00	55
No. 5 B M B. W. and iron stand)	13.00	80
No. 7 (B. W. and iron stand)	14.50	107
No. 7½ (hand or power)	19.50	150
No. 9 (B. W. and iron stand)	21.00	163
No. 11 (power machine)	30.00	215
No. 12 (power machine)	34.00	260
No. 15 (power machine)	66.00	420
No. 4 B (with balance wheel)	12.00	75
No. 4 B M (B. W. and iron stand)	14.00	110

MANN'S HANDSOME 40-PAGE CATALOG

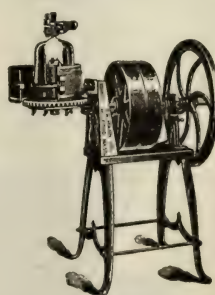
Tells all about the different style cutters and contains much valuable information. Free on request.



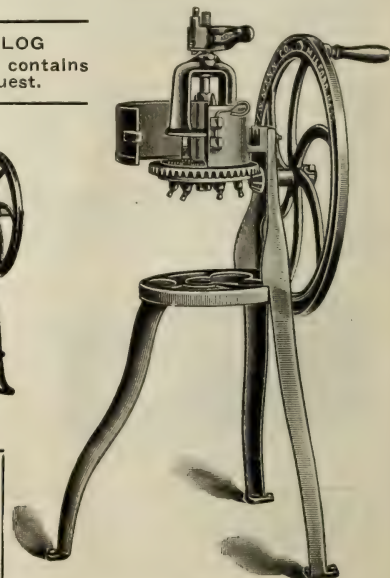
No. 5 B.



No. 9.



No. 11.



MANN'S NEW No. 7.

Portland Seed Co.

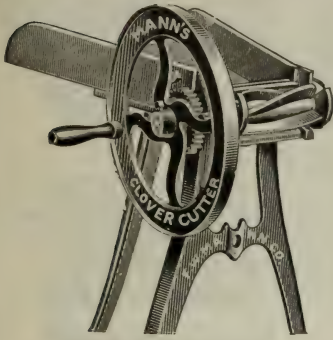
Gentlemen: The Mann Bone Cutter No. 7, I received from you some time ago, is giving the best of satisfaction, and you could not have it back for twice what I paid you for it. Yours respectfully,

SELDON AYERS,
2520 Cleveland St., Everett, Wash.

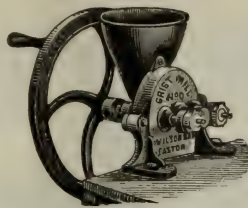
March 13, 1904.

It is economy to buy the best—especially when the best costs no more than untried machines.

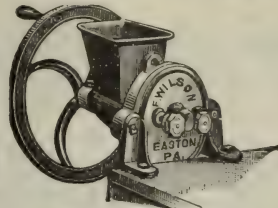
Miscellaneous Poultry Supplies



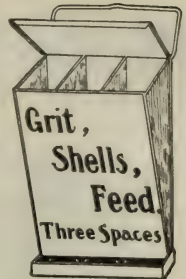
Mann's Clover Cutter.



Wilson Feed Mill No. 0.



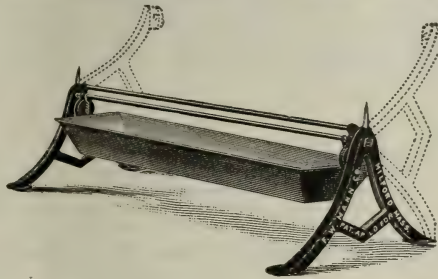
Wilson Feed Mill No. 1.



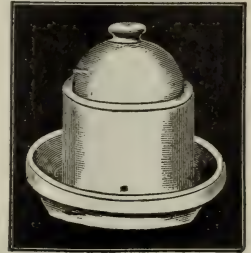
Self-Feeding Box.



Feeding Trough.



Mann's Feed Trays.



Stone Fountains.

MANN'S CLOVER CUTTER. (See cut.)

Made entirely of iron and steel. Cuts hay or clover, either dry or green, and more rapidly than any other make. Each revolution of the balance wheel produces twelve cuts.

Price, \$9.50; mounted on iron stand, \$12.00.

STEARNS CLOVER CUTTER. (See cut.)

Quite small, but worth the price. Not mounted.

Price, \$3.00.

THE WILSON DRY BONE MILL. (See cut.)

No. 1 is a practical mill, grinding all kinds of shell, crockery, grit, burnt or dry bone, feed etc. Either coarse or fine. Weight 33 pounds. Diameter of hand-wheel, 20 inches.

Price, \$5.50.

No. 0 WILSON'S. (See cut.)

Especially made for grinding graham flour or corn meal, for table use. Can also be adjusted for cracking grain. Weight, 30 pounds. Price, \$5.50.

MANN'S CAST IRON MORTAR.

For breaking glass, crockery ware, oyster shells or other dry substances for poultry. Weight, 33 pounds; height, 12 inches, 9 inches square; pestle, 4 feet long.

Price, \$3.50.

MANN'S SWINGING FEED TRAYS. (See cut.)

For water or feed. Fowls cannot scratch dirt into it, or feed out of it, nor roost on it; yet will not tip over or spill the food out.

Price, 18 inch, \$1.00; 27 inch, \$1.25; 36 inch, \$1.50.

SANITARY SELF-FEEDING BOXES. (See cut.)

Made of heavy galvanized iron. Soon pays for itself in preventing waste of feed. For keeping grit, shells and charcoal before the fowls at all times.

Price, 60c. each; 3 for \$1.50.

WIRE-COVERED FEEDING TROUGH. (See cut.)

Decidedly convenient for young chicks.

Price, 35c.; by mail, 50c.

DRINKING FOUNTAINS. (See cuts.)

Sanitary (Stone). Made in two pieces. Easy to keep clean.

P. S. Co.'s Galvanized. Neatest, best and cheapest.

Small, 30c. each; medium, 40c. each; large, 50c. each.

EGG TESTERS. (See cuts.)

X-Ray. Best lamp tester made. Will fit any No. 2 burner.

Price, 50c., postpaid.

Harding's Perfection. For sunlight. (See cut.)

Price, 60c., postpaid.

TESTED THERMOMETERS.

For Incubators.

All Glass. Petaluma style Postpaid, \$0.75

Metal back. St. Helens style Postpaid, \$1.00

Cornell. Tested Postpaid, \$1.00

For Brooders.

P. S. Co.'s Metal back. Tested for brooder use..... Postpaid, \$0.50

Tin back. 7 inch; not tested Postpaid, \$0.25

Cabinet. Wood back Postpaid, \$0.30

Peep O'Day. Tested Postpaid, \$0.65

PILLING'S CAPONIZING TOOLS.

Complete outfit with instructions.

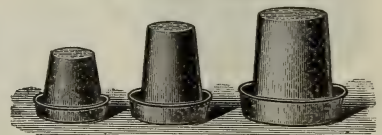
Postpaid, \$2.50.

"TRIUMPH" CAPONIZING SET.

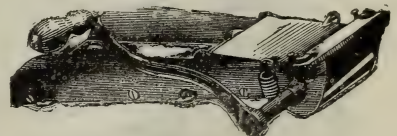
Pronounced by experts to be the best set of tools on the market.

Complete set and book of instructions, postpaid, \$3.00.

Space will not permit us to give complete description of above supplies, but we will gladly send illustrated catalog on request



Galvanized Drinking Fountains.



Stearns Clover Cutter.

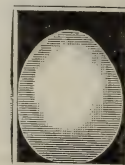


Harding's Egg Tester.



X-Ray Egg Tester.

China Nest Eggs,
35c. dozen;
postpaid, 55c.



Nest Eggs.

Metal Back
Thermometers.

Poultry Supplies—Continued



Smith's



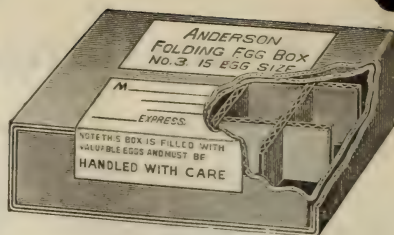
Eclipse.



Double Clinch.



Climax.



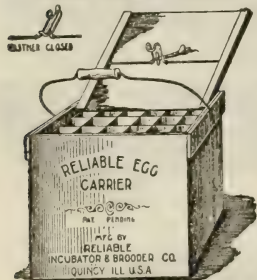
Set Up Ready to Ship.



Wire Nest.



Oakes Safety Lamp.



Egg Carriers.

Anderson Folding Egg Boxes

Made of heavy corrugated paper. The greatest advantage in it is that they can be bought K. D. (in the flat), and the express or freight will be only about one-sixth of what it has been on the old style boxes. Only a few seconds work to set the box up, pack it with eggs, and address it. These boxes are light but very strong, being firmly braced, and will stand the weight of several hundred pounds without crushing.

No. 3, 15-Egg Size, 15c. each; 6 for 80c.; dozen, \$1.50.
No. 4, 30-Egg Size, 25c. each; 6 for \$1.25; doz., \$2.25.
No. 5, 50-Egg Size, 40c. each; 6 for \$2.25; doz., \$4.00.
Sample box No. 3 size, postpaid, for 25c.

Leg Bands for Poultry

(See cuts.)

In ordering bands be sure to state what class of birds you want them for, and whether male or female.

Climax. Prices, postpaid.
Per doz., 20c.; 25 for 40c.; 50 for 60c.; 100 for \$1.00.
Eclipse. Prices, postpaid.
Per doz., 20c.; 25 for 35c.; 50 for 60c.; 100 for 85c.
Double Clinch. A new band; very safe; no exposed corners, ends or loops. Prices, postpaid.
Per doz., 20c.; 25 for 35c.; 50 for 60c.; 100 for 85c.

Maughlin's Sealed. You simply pass it around the bird's leg and by pressing the two ends together, lock it. Prices, postpaid.
12 for 25c.; 25 for 50c.; 60 for \$1.00; 100 for \$1.50.

Smith Sealed. Of aluminum and so constructed that by simply crushing a soft rivet they are sealed on the bird's leg and must be destroyed to be removed. Prices, postpaid.
12 for 30c.; 25 for 50c.; 60 for \$1.00; 100 for \$1.50.

Sealing Tools. For sealing the bands.

Plain jaw, 50c.; lettered jaw, 75c.; postage, 10c. extra.

Ideal Paper Egg Boxes

(See cut.)

Intended for use in delivering eggs to private families. If you have a "select" egg trade you should use this box. They ship "knocked down," at very low rates.

Prices: 1-dozen size, 25c.
per doz.; \$1.00 per 100; \$9.50 per 1000. Sample box by mail, 5c.

P. S. CO.'S SHIPPING COOPS.

All wood, neat, very light, but strong. Poultry raisers selling poultry at fancy prices should always use these coops.

	Each.	Six for
No. 1—10x21x18	\$0.30	\$1.50
No. 2—12x24x20 .....	.40	2.00
No. 3—20x24x20 .....	.50	2.50

HYDRO SAFETY LAMP.

Oakes. Made especially for incubators and brooders.

No. 1—Medium size	\$1.00
No. 2—Large size	\$1.50

REGULATORS.

Compound Wafer Regulator, complete (for either incubator or brooder). Price, \$1.50.

Remember

THE INCUBATOR YOU WANT to buy is the one that will hatch the largest percentage of fertile eggs, and produce strong, healthy chicks and ducklings, that's sure. Then buy a Cornell or Peep O' Day.

Wire Netting for Poultry Runs and Trellises, Etc.

No. 20 Wire, in rolls 150 feet long, in the following widths:

	12 in.	18 in.	24 in.	30 in.	36 in.	42 in.	48 in.	60 in.	72 in.
2 -inch mesh	\$0.80	\$1.15	\$1.60	\$2.00	\$2.25	\$2.70	\$3.00	\$3.75	\$4.50
1½ -inch mesh	1.10	1.55	2.15	2.75	3.30	3.85	4.25	5.50	6.30
1 -inch mesh	2.00	2.80	3.60	4.50	5.65	6.30	7.20	8.65	10.50

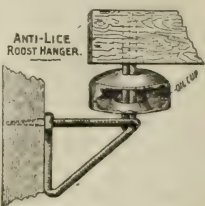
Short lengths: 2-inch mesh, 1c. square foot; 1½-inch mesh, 1¾c. square foot; 1-inch mesh, 2½c. square foot.
Prices subject to change without notice.



Ideal Egg Box.



Reliable Poultry Punch.



Roost Hangers.



GETTING THEIR FIRST MEAL OF DIAMOND BRAND CHICK FEED. (From Photograph.)

Portland Seed Co's "Diamond Brand" Chick Feed

Each year brings a greater demand for our Chick Feed. When we first put our Chick Feed on the market, three years ago, there were no others to be found on this Coast. Now there are dozens of brands of "so-called" Chick Foods, but beware of substitutes. These are dangerous and unprofitable to feed—buy the original, reliable and scientifically prepared "Diamond Brand" Chick Feed, and raise 95 per cent of your chicks. By using Diamond Chick Feed you are giving the chicks just what nature intended they should have, a food composed of grains (cracked), small seeds, grit, bone, dried sweet meat (to take the place of insects and bugs), charcoal, etc., etc., mixed in the right proportion to produce a quick and profitable growth without loss. You can raise so many more chicks by feeding it, that it is the **cheapest feed you can buy.**

Prices: 5 lbs., 25c.; 12 lbs., 50c.; 25 lbs., \$1.00; 50 lbs., \$1.85; 100 lbs., \$3.50.

Directions for feeding with each sack or package.

PORTLAND SEED CO'S Diamond Mash

There is no food equal to our "Diamond Brand" Chick Feed on which to start young chicks, and we do not recommend anything else, but to fill a demand for a soft food or mash to feed the chicks after they are six or eight weeks old, and for grown fowls, we have prepared this food. It is a complete food ground and ready to mix with water, hot or cold, according to the season. It contains all the ingredients necessary to promote a quick growth, to produce eggs and to keep the birds in good condition, summer and winter. Random and haphazard feeding is no longer profitable. Try this food and be convinced. We have thoroughly studied the subject of food for fowls, and know this mash will give you the desired results. It is no more trouble to feed than a bucket of ordinary food, which is very often as good as wasted, as the results are not generally satisfactory. To be successful you should make every pound of feed show results. Diamond Mash costs only a little more than wheat or corn, and is of twice the value. Try it.

Price: 25-lb. sk., 75c.; 50-lb. sk., \$1.35; 100-lb. sk., \$2.50.

Note.—We sell by weight, not by the bag. This is the cheapest way to buy. You get full value.

SWIFT'S HIGH GRADE BEEF SCRAPS.

Steel cut, clean and free from dust, hide, hair, etc. There is no waste (as it is not ground up). It can be fed like grain if preferred.

Prices: 5 lbs., 25c.; 50 lbs., \$2.00; 100 lbs., \$3.50.

BEEF SCRAPS.

A highly concentrated food. It is cooked meat, dried and ground. Very rich in protein. It should be mixed with the soft food.

BLOOD MEAL.

The most highly concentrated egg producer on the market. To be fed in soft food. Unexcelled as a food for forcing growth of chicks or as an egg food.

1 lb., 10c.; 10 lbs., 60c.; 100 lbs., \$4.00.

MEAT MEAL.

No hides or tankage in our meat meal, but, as its name implies, meat, cooked, dried and ground; unexcelled for egg production.

STANDARD POULTRY GRIT.

Not equal to Crystal Grit.

100 lbs., \$1.00.

Portland Seed Co's High Grade Poultry Foods

Portland Seed Co.

October 13, 1904.

I hatched 1642 chicks since March 10, and raised 1601 and firmly believe my success is due to your "Diamond Brand" Chick Feed.

CHAS. LEINER,
Hillsdale, Oregon.

Gentlemen: I have used your "Diamond Brand" Chick Feed the last three years. It is the best feed for chicks on the market.

D. N. NASH, Woodlawn, Or.

Gentlemen: I commenced feeding "Diamond Brand" Chick Feed in June to several hundred rather scrubby chickens. They immediately commenced to pick up, and have turned out fine. Their condition I think is largely due to your mixture of feed. Am well pleased with it, and can cheerfully recommend it.

H. K. SMITH, Portland, Oregon.

Gentlemen: For the past two years, we have used your "Diamond Brand" Chick Feed exclusively. We find it a complete food in every respect. Chicks fed on it have easily gained one pound a month and the gloss on the feathers is superb. As long as the "Hollywoods" are bred, you can rest assured that their food will be "Diamond." The loss by natural death is nothing, making it the cheapest as well as the best feed extant for chicks from shell to show room.

HOLLYWOOD POULTRY YARDS,
Lents, Oregon.

OYSTER SHELLS, CRUSHED.

We offer nice, clean stock, free from dust and waste. These should be within reach of your hens at all times.

In two sizes, coarse and fine. 5 lbs., 10c.; 100 lbs., \$1.50.

Oyster shell, "Western." 5 lbs., 10c.; 100 lbs., \$1.35.

CLAM SHELLS, CRUSHED.

Used the same as oyster shells; harder and sharper.

5 lbs., 10c.; 100 lbs., \$1.50.

CLOVER MEAL.

The best substitute for green food for winter feeding; helps keep the egg basket full; mixed with the soft feed is good for large or small chicks; endorsed by leading experts.

10 lbs., 50c.; 100 lbs., \$4.00.

GRANULATED BONE.

Our "Diamond Brand" is made from selected, hard, white, raw bones, and of a superior quality; an indispensable food for laying hens.

10 lbs., 25c.; 100 lbs., \$2.

Ordinary stock. 100 lbs., \$1.75.

DIAMOND GRANITE CRYSTAL GRIT.

Every poultry raiser should keep a supply of this grit in each pen. Made in two sizes, chick and hen size. We always send hens size unless otherwise ordered.

5 lbs., 10c.; 100 lbs., \$1.50.

CHARCOAL.

Our charcoal is granulated, no dust; a good thing for bowel trouble; sour crop unknown where this is used; a health preserver.

1 lb., 10c.; postpaid, 25c.

TOBACCO DUST.

For use in dust baths and nests. A cheap and effective exterminator of lice.

Per lb., 10c.; postpaid, 25c.

The nicest way to feed Beef Scraps, Shell, Bone, etc., is to put it in one of our Sanitary Feed Boxes. In this way the birds can get just what they need, and they will balance their rations, eating just what their system requires.

DON'T FORGET THAT WE ISSUE A COMPLETE POULTRY SUPPLY CATALOGUE.

Poultry and Stock Foods, Remedies, Etc.

Lee's Preparations

We are sole agents for this section and buy them by the carload.

Lee's Lice Killer. The best liquid on the market for killing lice, mites and other vermin on poultry.

Qt., 35c.; ½ gal., 60c.; gal., \$1.00; 5 gals., \$4.00.

Lee's Best Conditioner Stock Food. Promotes good health, digestion and assimilation.

Put up in 25c. and 50c. pkgs.; 25-lb. pails, \$2.50.

Lee's Egg Maker. It will make hens lay, chicks grow, and keep them all in healthy, vigorous condition.

2½-lb. pkg., 25c.; 25-lb. pail, \$2.00.

Lee's Hog Remedy cures all diseases of hogs and keeps them healthy.

Pkg., 75c.; 25-lb. pail, \$2.00.

Lee's Worm Powder for horses, cattle, sheep and hogs; safe and sure in results.

Pkg., 25c.

Lee's Insect Powder. A very fine powder for use on stock and poultry.

Pkg., 25c.; by mail, 35c.

Lee's Mixed Stock Salt. Every breeder should have a supply of this salt.

25-lb. sk., \$1.25; 100 lbs., \$4.00.

Lee's Carbolic Sheep Dip. For lice, ticks, mange, itch or scab, on cattle, sheep and hogs.

½-gal. can, 60c.; gal., \$1.00; 5 gals., \$4.00.

Lee's Peerless Gopher Killer. For killing gophers, squirrels, etc. Sure death.

Quart can, 75c.

Lee's Germozone—Liquid.

12 oz., 50c.

Lee's Germozone—Tablets.

Pkg., 50c.

Lee's Peerless Bug Killer.

Pkg., 25c.

Lee's Hickory Smoke Extract.

12 oz., 35c.; 32 oz., 75c.

Send for Lee's 34-page book that tells all about his goods, and contains other valuable information. Sent free.

Prussian Remedy Co's. Preparations

We are western agents and buy these goods in carload lots.

Prussian Stock Food. One of the best foods on the market.

3-lb. pkg., 150 feeds, 50c.; 7-lb. package, 350 feeds, \$1.00; 25-lb. pail, 1200 feeds, \$3.50.

Prussian Lice Powder. You dust it on.

Per can, 25c. and 50c.

Prussian Poultry Food. Prevents and cures diseases, such as cholera, roup, etc. Helps hens lay and chicks grow.

Per pkg., 25c. and 50c.; 25-lb. pail, \$3.00.

Prussian Lice Killer (Liquid). Will rid your poultry of lice, mites and other vermin in a hurry.

Per can, 50c. and \$1.00.

Prussian Worm Powders. The greatest worm remedy on the market.

Per pkg., 50c.

Prussian Heave Powders. A guaranteed cure for heaves, coughs, colds, lung fever.

Per pkg., 50c.; postpaid, 60c.

Prussian Cough and Distemper Cure. The best remedy made for coughs and distemper.

Per pkg., 50c.

Prussian Veterinary Cureline Salve. Quickly cures barbed wire cuts, wounds, sore shoulder. No scar.

Box, 25c. and 50c.

Prussian Spavin Cure. Cures spavin, ringbone, etc.

Per bottle, \$1.00.

Prussian Blister. For general use where a blister is needed.

Per box, 50c.

Prussian Horse Liniment. A superior liniment for all general use.

Per bottle, 25c. and 50c.

Prussian Colic Killer. Kills colic or belly-ache in horses and cattle. Gives relief in 20 minutes.

Per bottle, \$1.00.

Prussian Barbed Wire Liniment. Cures wire cuts and all wounds.

Price, 50c.

Send for Prussian Handbook and Stockman's Guide. Tells all about these remedies and contains much valuable information.

When you order goods by freight add a package or two

Lambert's Lice Remedies

Death to Lice. 5 oz., 10c.; by mail, 17c.; 15 oz., 25c.; by mail, 40c.; 48 oz., 50c.; by mail, \$1.10; 100 oz., \$1.00.

Death to Lice—Special. Dissolve in kerosene.

4 oz., 10c.; 16 oz., 25c.; 1c. per oz. extra for postage.

Death to Lice Ointment. For lice on chicks, scaly shanks on fowls of any kind.

1 oz., 10c., postpaid, 4 oz., 25c., postpaid.

Grosbeck's Preparations

Egg Producer.

Large pkg., 50c.; medium, 25c.; 50-lb. box, \$3.75.

Lice Killer. Very effective.

Qt. cans, 35c.; ½-gal. cans, 60c.; gal. cans, \$1.00.

Heave Powder. Price, per pkg., 50c.

Horse and Cattle Powder. Excellent.

Price, per pkg., 25c.; large pkg., 50c.

Avenarius Carbolineum

The famous German wood preserver and insecticide. Paint or spray your chicken houses, hog pens, stables, sheds, etc., with Avenarius Carbolineum, to permanently destroy all poultry and other vermin and preserve your outbuildings from rot and decay.

Qt can, 50c.; gal., \$1.50; 5-gal. cans, \$6.00.

Miscellaneous Preparations

Flood's Roup Cure. Safe and sure. Price, 50c.

Conkey's Roup Cure. For roup and canker in poultry and pigeons. Price, 50c.

Sturtevant's Roup Pills. Box, 25c., postpaid.

Diamond Ointment. For head lice on little chicks. Boxes, 10c. and 25c. each, postpaid.

Harding's Six-Hour Lice Killer. Just what you want for lice on little chicks, setting fowls, etc. Sold under a positive guarantee.

18-oz. pkg., 25c.; postpaid, 40c.

Crowley's Poultry Food. Cures all diseases of poultry and makes eggs. 50c. size, 35c.; \$1.00 size, 70c.

Fly Sprays

"Knocks the Flies."

So-Bos-So-Kilfly. Use Child's "So-Bos-So-Kilfly" on your stock. It means money in your pocket, for cows give one-third more milk and horses do better, and on less feed when protected from flies. It requires only a few seconds to apply it; it costs less than ½c. a day per head. You cannot afford to be without it. Apply with a cloth, sponge or hand sprayers listed on page 81. Write today for 20-page booklet.

Put up in 1-gallon sealed cans only, price, \$1.50.

Order a can with your other goods and be ready for the flies when they come.

Sprague's Fly Bouncer. ½ gal., \$1.00; gal., \$1.50.

Lee's Flyo-Curo. We sell thousands of cans of this fly spray every season, and it gives good satisfaction.

Qt., 50c.; ½ gal., 75c.; gal., \$1.25.

"Black Leaf" Sheep Dip

We buy it in carload lots.

Has much the best standing and by far the largest sale of any proprietary dip on the United States market. The "Black Leaf" Dip contains more Nicotine. Oils and Gums of Tobacco than that of any competing preparation on the market. It is therefore bound to produce better results. In addition, it is economical and is harmless to sheep and wool. It is exactly the dip you want.

"Black Leaf" is also largely used for Ticks, Lice, Mange and other insect pests on Sheep, Hogs, Cattle, Horses, Dogs, Goats, Chickens, Flowers and Fruit Trees. Approved by United States Government and State officials. Send for 16-page descriptive booklet containing valuable information on sheep dip and mode of dipping. Per gal., \$1.25; 5-gal. can, \$5.00.

of these remedies: the charges will be no more and you will have them on hand when needed.

For the Lands Sake

Use Portland Seed Co.'s "Diamond Brand" Fertilizers

For general description and prices, see page 84.

READ THE FOLLOWING REPORTS—THEY SPEAK FOR THEMSELVES

February 20, 1904.

Portland Seed Co.

Gentlemen: I have a piece of land which has been yielding about 50 bushels of oats per acre. Last year I fertilized it with Bone Meal, using about 500 pounds per acre, applying it in the fall and working it well into the soil. This year I got an average yield of 108 bushels per acre, and I am going to experiment further by using Muriate of Potash. Yours truly,

JOHN GAHLER, Needy, Oregon.

August 16, 1904.

Portland Seed Co.

Gentlemen: Nine years ago I purchased my present farm, the most valuable part of which has proved to be a piece a trifle over four acres, which is nothing but a sand hill on the bank of the Columbia. This soil was very poor and I realized that something must be done to improve it, so I began to use commercial fertilizers at the rate of from 500 to 800 pounds per acre. My crops have improved every year in quantity and quality. A year ago I harvested from these four acres, 16,800 pounds of strawberries and over 18 tons of tomatoes. This large yield I could not have obtained without the use of fertilizers, and I consider commercial fertilizers a grand success. I have never used any stable manure, and the soil is certainly in far better condition and better able to produce a crop than when I bought it. Yours truly,

S. C. ZIEGLER, White Salmon, Wn.

Portland Seed Co.

January 19, 1904.

Gentlemen: Last year I used your No. 10 Special Hop Fertilizer on my hops, and am more than pleased with the results. In spite of the fact that in part of the yard a number of hills missed, the yield was by far the largest I have ever had.

I spent about \$250.00 for the fertilizer, and applied at the rate of 500 pounds per acre, putting it on broadcast and not on the hills. I applied just as soon as it was possible to work the ground and worked it well into the soil with a Spring-tooth Harrow.

The profits from the use of the fertilizer on this 15 acres figure up close to \$2500.00 above what they would have been without the fertilizer. This is by comparing my yield with others in the neighborhood. On one two-acre patch I picked 569 boxes, and on another three-acre patch, 569 1/4 boxes. My total yield from the 15 acres was 28,635 pounds. The hops were all of good quality and most of them of choice quality.

This season I shall use more fertilizer than I did last, and figure, if I can get more hops off one acre than my neighbors can off of three, that ten to fifteen dollars per acre spent for fertilizer and the work of applying it is a most profitable investment.

I most heartily recommend your No. 10 Special Hop Fertilizer as the best thing for hops that I have ever used, and think no one can make a mistake by using it. Yours truly,

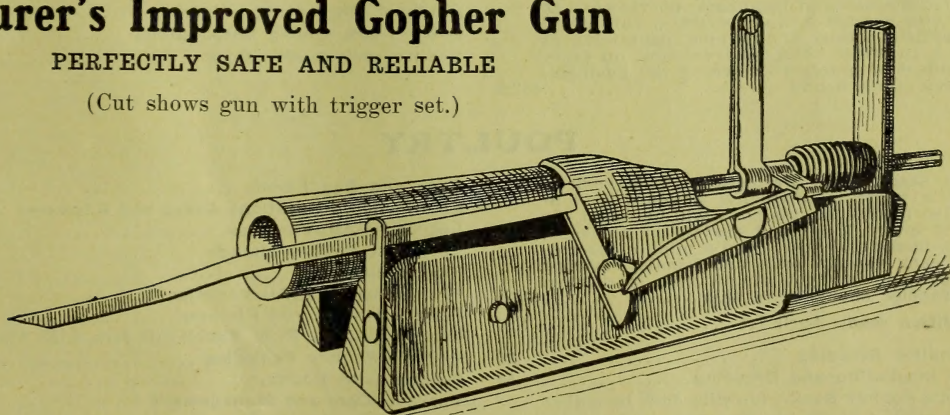
E. A. KNOTTS, Oswego, Oregon.

WE HAVE TESTED THIS FERTILIZER AND HEARTILY RECOMMEND IT

Maurer's Improved Gopher Gun

PERFECTLY SAFE AND RELIABLE

(Cut shows gun with trigger set.)



We beg to call the attention of farmers and gardeners, generally, to Maurer's Latest Improved Gopher Gun. All parts are made of metal, and it is not only the strongest, but also as reliable as any other on the market. It is supplied with a large steel wire spring and the working parts are all brazed. After placing in the ground, the gun is set with one hand and there is then no possibility of an injurious explosion. Regular 16-gauge shot-gun shells are used in this gun.

Price, \$2.00. Send all orders to

SAVAGE & FLETCHER, Salem, Oregon

For a small outlay of money
you can gain knowledge that
has taken others years of
study and experience to gain

BOOKS

KEEP YOURSELF "UP TO
DATE" BY READING THE
LATEST BOOKS FROM
PRACTICAL MEN.

ALL BOOKS SENT POSTPAID AT THE FOLLOWING PRICES: FARM, GARDEN AND MISCELLANEOUS

Art of Propagation. Jenkins	\$0.35	Keeping One Cow	1.10
Alfalfa. Coburn .....	.60	Landscape Gardening. S. T. Maynard	1.60
Asparagus Culture .....	.55	Landscape Gardening. F. A. Waugh .....	.60
Apple Culture, Field Notes. Bailey .....	.85	Mushrooms, How to Grow Them. Wm. Falconer	1.10
Basket Making With Raffia .....	.30	Mushroom Culture. Paper cover .....	.15
Beautiful Flower Gardens .....	.50	Manures, How to Make and How to Use Them. Frank W. Sempers .....	.50
Blackberry and Raspberry Culture. Littooy .....	.40	Manures, Bommer's Method of Making .....	.30
Cabbages, On. Gregory .....	.40	Nut Culturist. Fuller	1.60
Cabbages, Cauliflower, Etc. ....	.60	Onion Culture, New. Greiner .....	.60
Celery for Profit. Greiner .....	.30	Onions, How to Raise Them .....	.30
Cranberry Culture. J. J. White	1.25	Our Farm of Four Acres .....	.40
Dairying for Profit .....	.30	Practical Fruit Grower. Maynard .....	.60
Draining for Profit and Health. Waring	1.10	Principles of Fruit Growing	1.40
Farm Gardening and Seed Growing. Brill	1.10	Potato Culture, A B C of. Terry .....	.50
Fertilizers, On. Gregory .....	.50	Prize Gardening. Fiske	1.10
Fertilizers. Edward A. Voorhees	1.10	Pruning Book, The. L. H. Bailey	1.60
Feeding and Management of Stock. Prof. Shaw ..	1.10	Raspberry Culture. Western .....	.40
Forage Crops. Thomas Shaw	1.10	Rhubarb Culture, New .....	.60
Fruit Garden. Barry's	1.65	Rose, The. H. B. Ellwanger	1.35
Fungi and Fungicides. Clarence M. Weed. Cloth	1.10	Rose, On the. Parsons	1.10
Gardening and Farm Topics. Henderson	1.15	Spraying Crops. Weed .....	.60
Gardening for Pleasure	1.75	Strawberry Culturist. Fuller .....	.35
Gardening for Profit. New enlarged edition. Peter Henderson	1.75	Strawberry, The A B C of. Terry and Root .....	.50
Grasses and Forage Plants. Flint	2.50	Small Fruit Culturist. Fuller	1.10
Grasses and How to Grow Them. Prof. Shaw	1.60	Spraying for Profit .....	.25
Greenhouse Construction. Prof. L. R. Taft	1.60	Silos, Ensilage and Silage. Miles .....	.60
Greenhouse Management. Prof. L. R. Taft	1.60	Soiling Crops and the Silo. Thomas Shaw	1.60
Ginseng. Maurice G. Kains. Revised .....	.60	Tomato Culture, Western. By Littooy .....	.40
Hedges, Windbreaks, Etc. E. P. Powell .....	.60	Vegetables Under Glass. H. A. Dreer .....	.35
Hunter and Trapper .....	.60	Vegetable Gardening. S. B. Green	1.10
Insects Injurious to Fruits. Saunders	2.25	Violets, How to Make Money Growing Them .....	.30
Insects of the Farm and Garden, Injurious. Treat	1.60	Window Flower Garden, The .....	.60
Insects and Insecticides. C. M. Weed	\$1.60		

BEES

A B C of Bee Culture. For the veteran as well as the beginner. While the book is in a true sense an A B C of Bee Culture, in that it is adapted to the requirements of beginners, no veteran, no matter how extensive his experience, can afford to be without a work of this kind, containing as it does a carefully prepared treatment on every late method of practice known to the business; 500 pages, cloth bound\$1.25

Bee Keeper's Guide. Cook	\$1.35
New Bee Keeping. Quimby's	1.60
Amateur Bee Keeper. Rouse .....	.30
Forty Years Among Bees. Miller	1.10
Bee Keeper's Guide. Cook	1.35

POULTRY

American Standard of Perfection. This book is used as a guide in producing standard-bred or exhibition fowls. In this book will be found the name of every breed and variety of chickens, turkeys, ducks and geese, and a minute description of each variety, male and female, covering every section in both shape and feathering. Every fancier should have this\$1.00

1905 Edition ready April 1st	1.50
Art of Poultry Breeding .....	.25
Artificial Incubating and Brooding .....	.50
Blanchard's Poultry Book. Showing how he makes a profit of over \$2 per hen per year on this coast	.25
Bantam Fowl, The50
Capons for Profit. Greiner35
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Duck Culture. Rankin30
Ducks and Geese50

Eggs and Egg Farms	\$0.50
Five Hundred Questions Asked and Answered25
Leghorns, All Varieties .....	.50
Low Cost Poultry Houses .....	.25
Pigeon Queries .....	.25
Plymouth Rocks, All Varieties .....	.50
Poultry Houses and Fixtures .....	.25
Poultry Manual. F. L. Sewell and Mrs. I. E. Tilson ..	.60
Reliable Poultry Remedies .....	.25
Success with Poultry	1.00
Turkeys, Care and Management .....	.50
Wyandottes, All Varieties .....	.50

NOTE.—"Artificial Incubating" and "Success with Poultry" should be in every poultryman's library. The knowledge gained by reading these two books will be worth ten times the price of the books.

BOOKS FREE

You can get any of the above books free.
See premium offer, inside front cover.

BOOKS FREE

Thoroughbred Poultry and Eggs for Hatching

No doubt many of our customers would like to get a start in thoroughbred poultry, or would like to buy a setting or two of eggs, or a few good birds of a new strain to improve what they already have. For this reason we have decided to fill orders. While we are cataloging only a few of the most popular varieties, we are in position to furnish, at reasonable prices, most any kind of pure-bred poultry or eggs. We have in our employ a poultry judge and expert, and will not send out any birds that are not worth the price paid.

BREEDING BIRDS.

The price of breeding birds all depends upon the quality, and it pays best to raise only the best grade, therefore, when you buy stock get the best you can afford, as your returns at selling time will be much greater. You can just as well keep a pen of birds that will lay eggs worth from \$2.00 per setting up, and will produce breeders worth \$2.50 to \$10.00 each, as to keep stock that will bring only market price. We do not claim that you can always sell all your stock or eggs at fancy prices, but the grand total will be much greater when you keep thoroughbred birds, say nothing of the pleasure of having exhibition stock.

Average Selling Prices of Breeding Birds.

	Females.	Males.
Leghorns	\$1.50 to \$2.00	\$2.50 to \$7.50
Minorcas	1.50 to 2.00	2.50 to 7.50
Wyandottes	2.00 to 2.50	3.00 to 10.00
Plymouth Rocks	2.00 to 2.50	3.00 to 10.00

Write for prices on other varieties.

EGGS FOR SETTING.

All our eggs are from pure-bred stock and are carefully packed in patent egg boxes or baskets so that they will reach their destination in the best possible condition. All eggs must go by express at buyer's expense. Don't expect eggs by return express. Order early as possible, give us a few days notice at least. Let us book your order now for later delivery—it's the safest way.

Price List of Eggs.

S. C. White or Brown Leghorns, per setting	\$2.50	Barred or White Plymouth Rocks, per setting	\$3.00
Black Minorcas, per setting	2.50	Pekin Ducks, per setting	3.00
White or Silverlaced Wyandottes, per setting	3.00		

Write for price of eggs by the 100.

Customers: We would like to have all our customers send us list with prices on such stock and eggs as they have to sell. We no doubt can make some sales for you.



S. C. BROWN LEGHORNS.

REFERENCE TABLES

Number of Plants or Trees to the Acre at Given Distances.

Distance apart.	No. Plants.	Distance apart.	No. Plants.	Distance apart.	No. Plants.	Distance apart.	No. Plants.
12x 1 in.	522,720	24x24 in.	10,890	36x36 in.	4,840	60x60 in.	1,743
12x 3 in.	174,240	30x 1 in.	209,088	42x12 in.	12,446	8x 1 ft.	5,445
12x12 in.	45,860	30x 6 in.	34,348	42x24 in.	6,223	8x 3 ft.	1,815
16x 1 in.	393,040	30x12 in.	17,424	42x36 in.	4,148	8x 8 ft.	680
16x 3 in.	348,480	30x18 in.	13,068	48x12 in.	10,890	10x 1 ft.	4,356
16x 6 in.	116,160	30x20 in.	10,454	48x18 in.	7,790	10x 6 ft.	726
18x12 in.	29,040	30x24 in.	8,712	48x24 in.	5,445	10x10 ft.	485
18x18 in.	19,360	30x30 in.	6,970	48x30 in.	4,356	12x 1 ft.	3,630
20x 1 in.	313,635	36x 3 in.	58,080	48x36 in.	3,630	12x 5 ft.	736
20x20 in.	16,681	36x12 in.	14,520	48x48 in.	2,723	12x12 ft.	302
24x 1 in.	261,360	36x18 in.	9,680	60x36 in.	2,901	16x 1 ft.	2,722
24x18 in.	16,520	36x24 in.	7,260	60x48 in.	2,178	16x16 ft.	170

Quantity of Seed required to produce a given number of Plants and Sow an Acre.

Weight of Various Articles.	Per bushel.	Quantity per Acre.	Quantity per Acre.
Barley	43 lbs.	Artichoke, 1 oz. to 500 plants	8 oz.
Beans	60 lbs.	Asparagus, 1 oz. to 800 plants	1 lb.
Buckwheat	43 lbs.	Asparagus Roots	5000 to 10,000
Blue Grass—Kentucky	14 lbs.	Barley	2½ bu.
English	24 lbs.	Beans, dwarf, 1 pt. to 100 ft. of drill	1 bu.
Canary Seed	60 lbs.	Pole, 1 pt. to 100 hills	½ bu.
Cheat	34 lbs.	Beet, garden, 1 oz. to 100 ft. drill	7 lbs.
Clover Seed	60 lbs.	Mangel, 1 oz. to 75 ft. of drill	5 lbs.
Corn, wheat	60 lbs.	Broccoli, 1 oz. to 1000 plants	1 oz.
Corn, Shelled	56 lbs.	Brussels Sprouts, 1 oz. to 1000 plants	1 oz.
Charcoal	22 lbs.	Buckwheat	1 bu.
Flax Seed	56 lbs.	Cabbage, 1 oz. to 1000 plants	4 oz.
Grass Seeds (unless otherwise stated)	14 lbs.	Carrot, ½ oz. to 100 ft. of drill	3 lbs.
Hemp Seed	44 lbs.	Cauliflower, 1 oz. to 2000 plants	3 oz.
Hungarian	43 lbs.	Celery, 1 oz. to 5000 plants	6 oz.
Lawn Grass	30 lbs.	Cheat	2 bu.
Meadow Fescue	24 lbs.	Chicory	4 lbs.
Millet	48 lbs.	Clover, Alsike and White	8 to 15 lbs.
Oats	32 lbs.	Alfalfa	15 to 20 lbs.
Orchard Grass	14 lbs.	Crimson Trefoll	10 to 15 lbs.
Peach Pits	48 lbs.	Large Red and Medium	10 to 12 lbs.
Peas, Smooth	60 lbs.	Collards, 1 oz. to 2000 plants	4 oz.
Peas, Wrinkled	56 lbs.	Corn, wheat	2 bu.
Perennial Rye	20 lbs.	Corn, Pop (shelled)	4 qts.
Potatoes	60 lbs.	Sweet	12 to 20 lbs.
Rape	60 lbs.	Corn for Sowing	2 bu.
Rye	56 lbs.	Cress, ½ oz. to 100 ft. of drill	1 lb.
Red Top	14 lbs.	Cucumber, 1 oz. to 100 hills	2 to 3 lbs.
Red Top, solid seed	42 lbs.	Egg Plant, 1 oz. to 2000 plants	4 oz.
Spelts	40 lbs.	Endive, ½ oz. to 100 ft. of drill	4½ lbs.
Timothy Seed	45 lbs.	Flax, broadcast	½ bu.
Vetches	60 lbs.	Grass, Blue, Kentucky	2 bu.
Wheat	60 lbs.	Blue, English	1 bu.
		Hungarian and Millet	½ bu.
		Mixed Lawn	5 to 8 bu.
		Red Top	2 bu.
		Red Top, solid seed	12 lbs.
		Timothy	12 to 15 lbs.

Quantity per Acre.

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Savage & Fletcher, Salem, Oregon.



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